



Everything Times Tables

Volume 2

Tons of Terrific Tests • Tantalising Tournaments
Top Teaching Tips To Tame Times Tables Totally



WRITTEN BY **RON SHAW**



THE ACTIVITIES IN THIS BOOK ADDRESS MANY OUTCOMES IN THE SYLLABUS

Everything Times Tables Vol 2

Tons of Terrific Tests, Tantalising Tournaments and Top Teaching Tips to Totally Tame Times Tables

Intelligent Australia Productions

First published in 2005 by Intelligent Australia Productions

Ideas and Concept

© Ron Shaw

ISBN 0-9756975-2-8

ISBN 978-0-9756975-2-8

IAP 004

Intelligent Australia Productions

PO Box 670

Hillarys, WA 6923

Australia

Tel: (08) 9307 8365

Fax: (08) 9402 2339

Email: iap_books@yahoo.com

Copying Instructions

The contents of this publication may only be reproduced by the original purchaser for use within their own educational institution. The publisher prohibits the loaning or on-selling of this publication for the purposes of reproduction.

Under the Australian Copyright Act 1968 a remuneration notice must be given to Copyright Agency Limited (CAL).

For details of the CAL licence for educational institutions, contact CAL, 19/157 Liverpool St, Sydney NSW 2000, tel: (02) 9394 7600, fax: (02) 9394 7601, email: info@copyright.com.au.

This book is dedicated to Pascal.

Intelligent Australia Productions is committed to raising standards in Literacy and Numeracy in Australian schools.



- Postal Address

IAP
PO Box 670
Hillarys, WA
Australia 6923

- Email

iap_books@yahoo.com

- Telephone

(08) 9307 8365 Int'l (618) 9307 8365

- Fax

(08) 9402 2339 Int'l (618) 9402 2339

Acknowledgements

Thanks to Klaus Huber, Tom and Mandy Perrin, Mats Johanssen, the Rutherfords and Janet Hamersfield for granting IAP permission to use many of the excellent graphics and illustrations in this publication. Some other graphics used in this book were obtained from Public Domain sources on the Internet. Where graphics were not in the Public Domain all reasonable efforts were used to contact copyright holders and where this was successful permission for their use was obtained. Clipart software and Internet sites with free clipart were other sources used. In a few cases graphics and illustrations have been used when copyright holders could not be contacted; if you are the rightful copyright holder of any of these graphics/illustrations please contact the publisher.

Intelligent Australia Productions is committed to raising standards in Literacy and Numeracy in Australian schools.

About this Book

As we all know Times Tables are one of the fundamental building blocks of mathematics. And, unlike some things students learn in maths, they are used day-in, day-out throughout life. So their importance cannot be underestimated.

The purpose of this book is to provide teachers and their students with a wealth of material that will make the learning of Times Tables as painless and enjoyable as possible.

The book has an abundance of tests, tips, games and challenges. It covers the full range of tables, 2s to 12s, and is suitable for every classroom, library and resource centre in every school.

Everything Times Tables makes a welcome addition to any teacher's personal library of reference books. The exercises, games and challenges for students cover the entire age and ability spectrum....from the youngest beginners to advanced, highly competent -and even gifted- students.

Many of the worksheets are ideal for classroom wall displays; as well as being decorative they're perfect for pre-test brush-ups and mini practice sessions.

In giving quotients equal importance to products we have addressed a flaw in many other Times Tables publications that tend to treat products only.

In many of the tests and games in this book we have deliberately omitted the 0, 1 and 10 times tables as these may be taught and remembered easily (eg add a zero when multiplying by 10, take off a zero when dividing by 10).

It is recommended that children either keep all completed tests in a folder or paste them in their maths book/pad.

A Tables-a-thon involving the whole school is an excellent way to raise awareness of Times Tables and get your students practising (see pages 57-60).

As part of Intelligent Australia Productions' commitment to enhance numeracy standards in Australia, classes are encouraged to enter the National Times Tables Championships to find Australia's best-performing Times Tables individuals and classes (see final pages). Schools not wishing to participate may use the Tables tests for their own use.

About the Author

Ron Shaw has spent almost 30 years teaching in Australian schools where, as Senior Teacher (Advanced Skills Teacher level 1) he has used his Times Tables Tests, Challenges and Games with many hundreds of students between the ages of 6 and 15.

As a teacher and tutor he has been very successful in improving the times tables skills of learning-delayed children and mainstream students. Academically gifted children delight in challenging themselves with Mr Shaw's Times Tables speed tests, quizzes, puzzles and multi-operational tables tasks.

In addition to the above Mr Shaw has been a private maths tutor to scores of students up to university entrance level. His 20+ published books on maths and other school subjects are used in several English-speaking countries including Australia, the UK, New Zealand, South Africa, Canada and the USA, as well as in classrooms throughout South-east Asia.

Mr Shaw, a member of the Australian Association of Mathematics Teachers and the Mathematical Association of Western Australia, was accepted into membership of the Australian College of Education (1989), the Australia Teaching Council (1993) and MENSA Australia (1998). After graduating as a teacher from Claremont Teachers College he undertook post-graduate studies (Honours) at the Australian National University, Canberra (1990), and Master of Education studies at Edith Cowan University, Perth (1992).



I'm glad I know my Tables.

Times Tables Practice Tips



Me too!!

How to Become an Expert at Times Tables

A Guide for Students and their Parents

Tip no. 1 Practise just one Table at a time. Example: "This week I will practise the 4 x tables."

Tip no. 2 Put aside 10 minutes each day, for a week, to learn a Table.

Tip no. 3 Practise the products. Then practise the quotients. Then practise both.

Tip no. 4 Practise with small cards. Carry them around with you. Test your friends.

Tip no. 5 Practise saying them out loud, looking in the mirror.

Tip no. 6 Practise whispering them, looking in the mirror.

Tip no. 7 Practise saying them out loud, with eyes closed.

Tip no. 8 Practise whispering them, with eyes closed.

Tip no. 9 Practise writing them. Slowly, then faster.

Tip no. 10 Practise writing them in the air, out loud. Slowly, then faster.

Tip no. 11 Practise writing them in the air, out loud, with eyes closed. Slowly, then faster.

Tip no. 12 Practise writing them in the air, silently. Slowly, then faster.

Tip no. 13 Practise writing them in the air, silently, with eyes closed. Slowly, then faster.

Tip no. 14 Practise writing them slowly on paper, with perfect number formations.

Tip no. 15 Practise writing them slowly in the air, with perfect number formations.

Tip no. 16 Listen to a Times Table tape, with catchy tunes.

Tip no. 17 Sit or lie in silence and 'see' (visualise) the numbers as you slowly practise the tables.

Tip no. 18 Affix a Times Tables chart to your desk, wall or bathroom door.

Tip no. 19 Ask a family member to test you on a random Table whenever you pass by them.

Tip no. 20 Write Tables out in words eg "Four times seven equals twenty eight".

Tip no. 21 Write hard-to-memorise Tables on a post-it sticker; affix to bathroom tap, door knobs etc.

Times Allowed for all Tests

- The times below are based on students who know their Times Tables perfectly and who complete the tests as quickly as they can.
- Younger students in some schools are introduced to 'harder' Times Tables earlier than in some other schools.
- The Times Tables tests in this book have been given to thousands of Australian students. Times were recorded.

Page	Description of Test	Time Allowed					
		Yr 3	Yr 4	Yr 5	Yr 6	Yr 7	Yr 8/9
8	All Tables 100 questions. (Products)	9 min	8 min	7 min	6 min	5 min	4 min
10	All Tables 100 questions. (Quotients)	9 min	8 min	7 min	6 min	5 min	4 min
12	6 Times Table 10 questions. (Products)	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec
14	7 Times Table 10 questions. (Products)	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec
16	8 Times Table 10 questions. (Products)	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec
18	All Tables 100 questions. (Products)	9 min	8 min	7 min	6 min	5 min	4 min
20	2, 4, 8 Tables 30 questions. (Products)	2m 42s	2m 24s	2m 06s	1m 48s	1m 30s	1m 12s
22	3, 6, 9 Tables 30 questions. (Products)	2m 42s	2m 24s	2m 06s	1m 48s	1m 30s	1m 12s
24	9 Times Table 10 questions. (Products)	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec
28	12, 7, 11 Tables 30 questions. (Products)	2m 42s	2m 24s	2m 06s	1m 48s	1m 30s	1m 12s
30	All Tables 220 questions. (Prod/ Quot)	19 min	17 min	15 min	13 min	11 min	9 min
34	12 Times Table 10 questions. (Products)	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec
36	Mixed Tables. 20 questions. $10 \div$ then $10 \times$	4m 30s	4 min	3m 30s	3 min	2m 30s	2 min
37	2 Times Table 10 questions. (Products)	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec
38	3 Times Table 10 questions. (Prod/Quot)	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec
40	Mixed Tables 40 questions. (Prod/Quot)	4m 30s	4 min	3m 30s	3 min	2m 30s	2 min
42	Mixed Quotients 70 questions. (Quot)	6m 18s	5m 36s	4m 54s	4m 12s	3m 30s	2m 48s
43	Mixed Tables 30 questions. (Prod/Quot)	4m 30s	4 min	3m 30s	3 min	2m 30s	2 min
44	Mixed Quotients 30 questions. (Quot)	2m 42s	2m 24s	2m 06s	1m 48s	1m 30s	1m 12s
45	2, 3, 4, 5 Tables 32 questions. (Products)	5m 24s	4m 48s	4m 12s	3m 36s	3 min	2m 24s
46	7, 8, 9 Tables 27 questions. (Prod/Quot)	2m 42s	2m 24s	2m 06s	1m 48s	1m 30s	1m 12s
47	11 Times Table 10 questions. (Products)	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec
48	Tables to 10x10 100 questions. (Products)	9 min	8 min	7 min	6 min	5 min	4 min
49	Tables to 100÷10 100 quest'. (Quotients)	9 min	8 min	7 min	6 min	5 min	4 min
50	All Tables 144 questions. (Products)	11 min	10 min	9 min	8 min	7 min	6 min
52	Tables to 12x12 100 questions. (Products)	9 min	8 min	7 min	6 min	5 min	4 min
58	Tables-athon 100 questions. (Products)	8 min	8 min	6 min	6 min	6 min	6 min
64	Advanced Tables Challenge	Time allowed: 9 minutes					
65	Senior Tables Challenge	Time allowed: 9 minutes					
66	Intermediate Tables Challenge	Time allowed: 9 minutes					
67	Junior Tables Challenge	Time allowed: 12 minutes					

Teachers' Notes

Even if you get 100% you can improve next time by completing the test in a faster time.



This is a test of all times tables products to 12 x 12 (0s, 1s and 10s excluded).

Older students who know their tables perfectly will be able to comfortably complete the test in 4 minutes.

Times of less than 2 minutes are possible when done under speed test conditions.

Test Description	Suggested Time Allowed					
	Year Level					
All tables. 100 questions. (products to 144)	3	4	5	6	7	8/9
	9 mins	8 mins	7mins	6 mins	5 mins	4 mins

Times Tables

Products

Name..... Date.....

1	$5 \times 12 =$	26	$2 \times 5 =$	51	$3 \times 5 =$	76	$12 \times 11 =$
2	$2 \times 4 =$	27	$12 \times 9 =$	52	$4 \times 8 =$	77	$9 \times 6 =$
3	$11 \times 6 =$	28	$2 \times 2 =$	53	$4 \times 12 =$	78	$5 \times 2 =$
4	$4 \times 2 =$	29	$12 \times 6 =$	54	$4 \times 5 =$	79	$11 \times 7 =$
5	$5 \times 5 =$	30	$6 \times 5 =$	55	$2 \times 3 =$	80	$7 \times 5 =$
6	$3 \times 3 =$	31	$2 \times 12 =$	56	$8 \times 5 =$	81	$5 \times 8 =$
7	$9 \times 9 =$	32	$9 \times 5 =$	57	$3 \times 2 =$	82	$7 \times 12 =$
8	$9 \times 11 =$	33	$3 \times 8 =$	58	$5 \times 9 =$	83	$8 \times 9 =$
9	$2 \times 8 =$	34	$3 \times 4 =$	59	$11 \times 11 =$	84	$4 \times 3 =$
10	$11 \times 2 =$	35	$6 \times 12 =$	60	$8 \times 11 =$	85	$9 \times 7 =$
11	$8 \times 7 =$	36	$5 \times 3 =$	61	$7 \times 9 =$	86	$6 \times 2 =$
12	$9 \times 8 =$	37	$6 \times 9 =$	62	$8 \times 6 =$	87	$6 \times 3 =$
13	$9 \times 2 =$	38	$7 \times 11 =$	63	$11 \times 12 =$	88	$4 \times 9 =$
14	$11 \times 5 =$	39	$6 \times 7 =$	64	$12 \times 2 =$	89	$6 \times 11 =$
15	$3 \times 6 =$	40	$11 \times 9 =$	65	$5 \times 6 =$	90	$4 \times 4 =$
16	$8 \times 12 =$	41	$8 \times 8 =$	66	$5 \times 11 =$	91	$4 \times 6 =$
17	$12 \times 7 =$	42	$6 \times 6 =$	67	$5 \times 4 =$	92	$6 \times 8 =$
18	$7 \times 8 =$	43	$6 \times 4 =$	68	$7 \times 7 =$	93	$7 \times 2 =$
19	$4 \times 7 =$	44	$7 \times 3 =$	69	$3 \times 9 =$	94	$4 \times 11 =$
20	$8 \times 2 =$	45	$12 \times 8 =$	70	$8 \times 3 =$	95	$5 \times 7 =$
21	$11 \times 8 =$	46	$12 \times 12 =$	71	$7 \times 4 =$	96	$8 \times 4 =$
22	$3 \times 11 =$	47	$2 \times 11 =$	72	$2 \times 6 =$	97	$3 \times 12 =$
23	$9 \times 4 =$	48	$7 \times 6 =$	73	$11 \times 3 =$	98	$3 \times 7 =$
24	$9 \times 3 =$	49	$11 \times 4 =$	74	$9 \times 12 =$	99	$12 \times 3 =$
25	$2 \times 9 =$	50	$2 \times 7 =$	75	$12 \times 4 =$	100	$12 \times 5 =$

Time Allowed

Time Taken

Score

Teachers' Notes



You only know your tables **perfectly** when you can answer each of the products *and* *quotients* in less than two seconds!

This is a test of all times tables quotients to $144 \div 12$ (0s, 1s and 10s excluded).

Older students who know their tables perfectly will be able to comfortably complete the test in 4 minutes.

Times of less than 2 minutes are possible when done under speed test conditions.

Test Description	Suggested Time Allowed					
	Year Level					
All tables. 100 questions. (quotients only)	3	4	5	6	7	8/9
	<i>9 mins</i>	<i>8 mins</i>	<i>7mins</i>	<i>6 mins</i>	<i>5 mins</i>	<i>4 mins</i>

Times Tables

Quotients

Name

Date

1	$60 \div 12 =$	26	$10 \div 5 =$	51	$15 \div 5 =$	76	$132 \div 11 =$
2	$8 \div 4 =$	27	$108 \div 9 =$	52	$32 \div 8 =$	77	$54 \div 6 =$
3	$66 \div 6 =$	28	$4 \div 2 =$	53	$48 \div 12 =$	78	$10 \div 2 =$
4	$8 \div 2 =$	29	$72 \div 6 =$	54	$20 \div 5 =$	79	$77 \div 7 =$
5	$25 \div 5 =$	30	$30 \div 5 =$	55	$6 \div 3 =$	80	$35 \div 5 =$
6	$9 \div 3 =$	31	$24 \div 12 =$	56	$40 \div 5 =$	81	$40 \div 8 =$
7	$81 \div 9 =$	32	$45 \div 5 =$	57	$6 \div 2 =$	82	$84 \div 12 =$
8	$99 \div 11 =$	33	$24 \div 8 =$	58	$45 \div 9 =$	83	$72 \div 9 =$
9	$16 \div 8 =$	34	$12 \div 4 =$	59	$121 \div 11 =$	84	$12 \div 3 =$
10	$22 \div 2 =$	35	$72 \div 12 =$	60	$88 \div 11 =$	85	$63 \div 7 =$
11	$56 \div 7 =$	36	$15 \div 3 =$	61	$63 \div 9 =$	86	$12 \div 2 =$
12	$72 \div 8 =$	37	$54 \div 9 =$	62	$48 \div 6 =$	87	$18 \div 3 =$
13	$18 \div 2 =$	38	$77 \div 11 =$	63	$132 \div 12 =$	88	$36 \div 9 =$
14	$55 \div 5 =$	39	$42 \div 7 =$	64	$24 \div 2 =$	89	$66 \div 11 =$
15	$18 \div 6 =$	40	$99 \div 9 =$	65	$30 \div 6 =$	90	$16 \div 4 =$
16	$96 \div 12 =$	41	$64 \div 8 =$	66	$55 \div 11 =$	91	$24 \div 6 =$
17	$84 \div 7 =$	42	$36 \div 6 =$	67	$20 \div 4 =$	92	$48 \div 8 =$
18	$56 \div 8 =$	43	$24 \div 4 =$	68	$49 \div 7 =$	93	$14 \div 2 =$
19	$28 \div 7 =$	44	$21 \div 3 =$	69	$27 \div 9 =$	94	$44 \div 11 =$
20	$16 \div 2 =$	45	$96 \div 8 =$	70	$24 \div 3 =$	95	$35 \div 7 =$
21	$88 \div 8 =$	46	$144 \div 12 =$	71	$28 \div 4 =$	96	$32 \div 4 =$
22	$33 \div 11 =$	47	$22 \div 11 =$	72	$12 \div 6 =$	97	$36 \div 12 =$
23	$36 \div 4 =$	48	$42 \div 6 =$	73	$33 \div 3 =$	98	$21 \div 7 =$
24	$27 \div 3 =$	49	$44 \div 4 =$	74	$108 \div 12 =$	99	$36 \div 3 =$
25	$18 \div 9 =$	50	$14 \div 7 =$	75	$48 \div 4 =$	100	$60 \div 5 =$

Time Allowed

Time Taken

Score

Teachers' Notes

*Is a half dozen
dozen the
same as a
dozen half
dozens?*



**This is a test of 6 times tables
products to 12 x 6.**

**Older students who know their
6 times tables perfectly will be
able to comfortably complete
the test in 30 seconds.
Younger students will take a
little longer.**

Test Description	Suggested Time Allowed					
	Year Level					
6 Times Table. 10 questions. (products)	3	4	5	6	7	8/9
	<i>54 sec</i>	<i>48 sec</i>	<i>42 sec</i>	<i>36 sec</i>	<i>30 sec</i>	<i>24 sec</i>

Half a Dozen

Write the products in the egg shapes.



5	12	6
8	6	3
4	9	
7	2	11



The Sixes are easy..... no yolk!



Teachers' Notes



I know what you're thinking.....I'm only wearing 4 ties, not 7.

There are 3 at the back!

This is a test of 7 times tables products to 12 x 7.

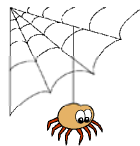
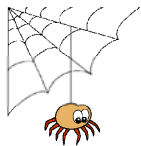
Older students who know their 7 times tables perfectly will be able to comfortably complete the test in 30 seconds. Younger students will take a little longer.

Test Description	Suggested Time Allowed					
	Year Level					
7 Times Table. 10 questions. (products)	3	4	5	6	7	8/9
	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec

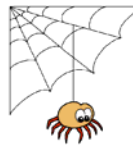
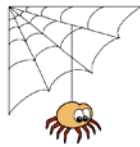
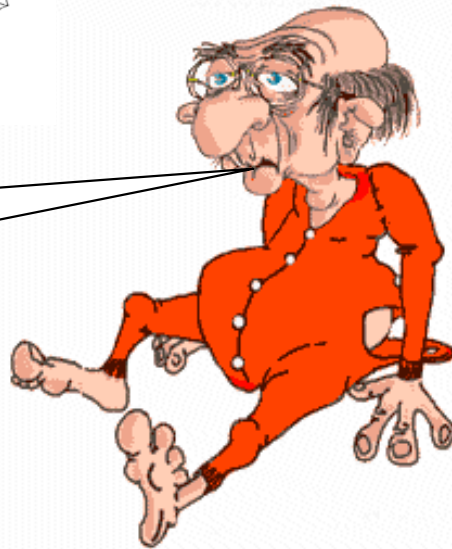
If I practise every day I'll soon know them perfectly.



Teachers' Notes



How many legs do 7 spiders have?



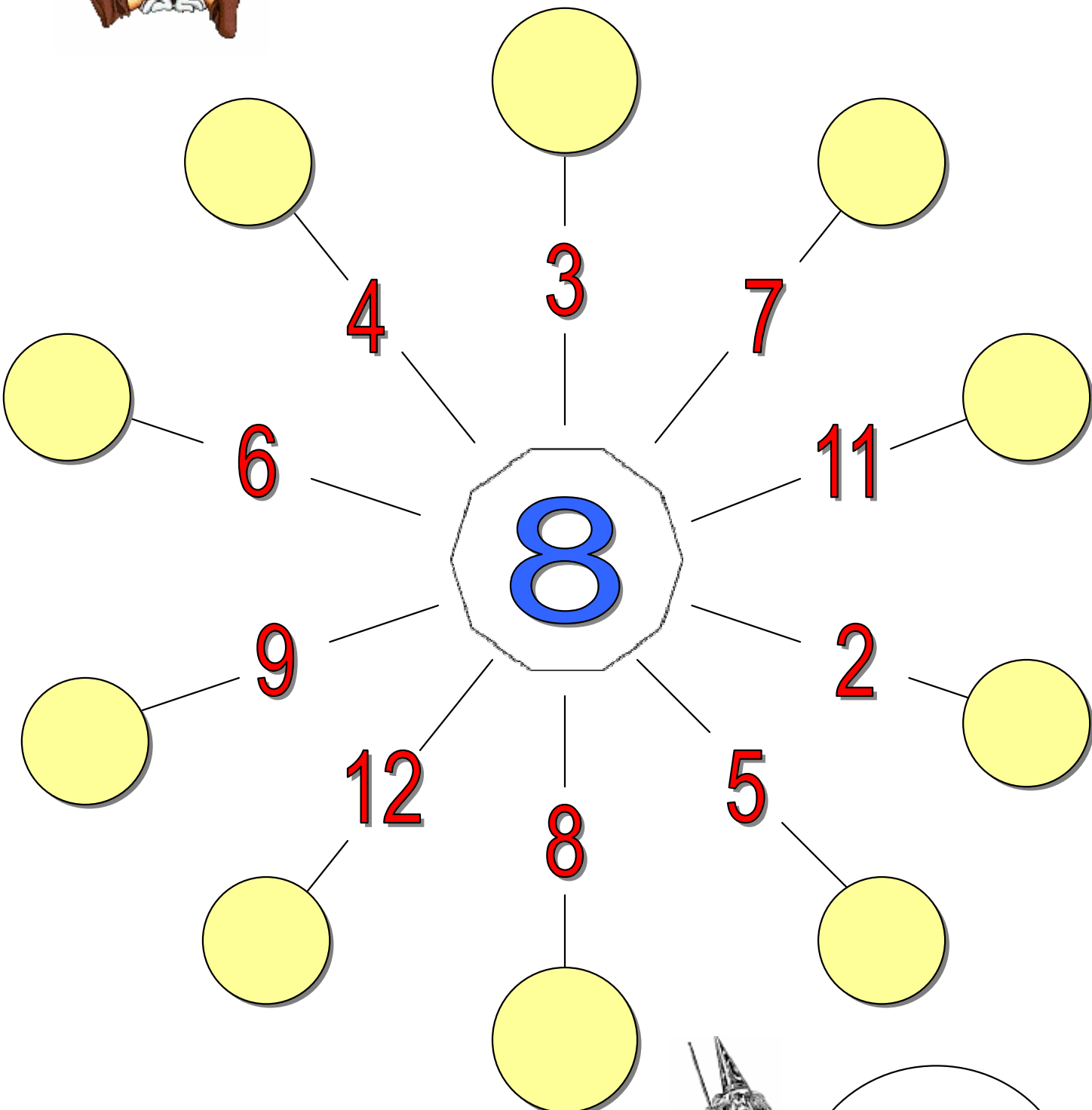
This is a test of 8 times tables products to 12×8 .

Older students who know their 8 times tables perfectly will be able to comfortably complete the test in 30 seconds. Younger students will take a little longer.

Test Description	Suggested Time Allowed					
	Year Level					
8 Times Table.	3	4	5	6	7	8/9
10 questions. (products)	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec



Practise makes perfect.



When you know your 8s perfectly it will take you 15-20 seconds to complete this.

Teachers' Notes



The three magic words
in learning times tables
are
practise practise
and
practise.

This is a test of times tables products from 2 x 2 to 12 x 12 (excepting 10s).

Older students who know their tables perfectly will be able to comfortably complete the test in 4 minutes.

Times of less than 2 minutes are possible when done under speed test conditions.

Suggested Time Allowed

Test Description	Year Level					
	3	4	5	6	7	8/9
All tables. 100 questions. (products to 144)	9 mins	8 mins	7mins	6 mins	5 mins	4 mins

Tables Mix

4	1 $\times 5 =$	2 $\times 8 =$	3 $\times 9 =$	4 $\times 11 =$	5 $\times 2 =$
	6 $\times 7 =$	7 $\times 4 =$	8 $\times 3 =$	9 $\times 6 =$	10 $\times 12 =$
7	11 $\times 6 =$	12 $\times 3 =$	13 $\times 4 =$	14 $\times 7 =$	15 $\times 2 =$
	16 $\times 11 =$	17 $\times 9 =$	18 $\times 8 =$	19 $\times 5 =$	20 $\times 12 =$
5	21 $\times 12 =$	22 $\times 2 =$	23 $\times 7 =$	24 $\times 5 =$	25 $\times 8 =$
	26 $\times 4 =$	27 $\times 3 =$	28 $\times 9 =$	29 $\times 11 =$	30 $\times 6 =$
3	31 $\times 2 =$	32 $\times 8 =$	33 $\times 4 =$	34 $\times 5 =$	35 $\times 11 =$
	36 $\times 6 =$	37 $\times 12 =$	38 $\times 3 =$	39 $\times 7 =$	40 $\times 9 =$
8	41 $\times 8 =$	42 $\times 5 =$	43 $\times 2 =$	44 $\times 9 =$	45 $\times 12 =$
	46 $\times 4 =$	47 $\times 7 =$	48 $\times 11 =$	49 $\times 3 =$	50 $\times 6 =$
11	51 $\times 11 =$	52 $\times 2 =$	53 $\times 9 =$	54 $\times 7 =$	55 $\times 4 =$
	56 $\times 12 =$	57 $\times 8 =$	58 $\times 5 =$	59 $\times 3 =$	60 $\times 6 =$
2	61 $\times 6 =$	62 $\times 8 =$	63 $\times 5 =$	64 $\times 4 =$	65 $\times 12 =$
	66 $\times 7 =$	67 $\times 2 =$	68 $\times 11 =$	69 $\times 3 =$	70 $\times 9 =$
12	71 $\times 6 =$	72 $\times 11 =$	73 $\times 2 =$	74 $\times 12 =$	75 $\times 7 =$
	76 $\times 3 =$	77 $\times 8 =$	78 $\times 4 =$	79 $\times 5 =$	80 $\times 9 =$
9	81 $\times 7 =$	82 $\times 5 =$	83 $\times 4 =$	84 $\times 8 =$	85 $\times 6 =$
	86 $\times 12 =$	87 $\times 9 =$	88 $\times 3 =$	89 $\times 11 =$	90 $\times 2 =$
6	91 $\times 8 =$	92 $\times 6 =$	93 $\times 11 =$	94 $\times 2 =$	95 $\times 12 =$
	96 $\times 3 =$	97 $\times 7 =$	98 $\times 9 =$	99 $\times 5 =$	100 $\times 4 =$

Time Allowed

Time Taken

Score

Teachers' Notes

From 2s to 8s you double and double.

From 8s to 2s you halve and halve.



It makes good sense to practise 2s, 4s and 8s in that order because of the doubling factor involved.

The doubling pattern is clear to see.

All numbers involved are even numbers.

2 is the only even number that is a prime number, its only factors being 1 and 2.

NB: 6s are best practised with 3s and 9s.

Suggested Time Allowed

Test Description	Year Level					
	3	4	5	6	7	8/9
2, 4, 8 Times Table. 30 questions. (products)	2m 42s	2m 24s	2m 06s	1m 48s	1m 30s	1m 12s

Times Tables

$\times 2, \times 4, \times 8$

1 6×8

2 4×8 3 7×4 4 8×2

5 12×4

6 9×4 7 3×8 8 7×2

9 11×4 10 5×8

11 2×2 12 8×4 13 3×2 14 2×8

15 9×2

16 7×8 17 4×4

18 2×4


19 5×2

20 11×2 21 11×8 22 4×2

23 9×8 24 5×4 25 8×8

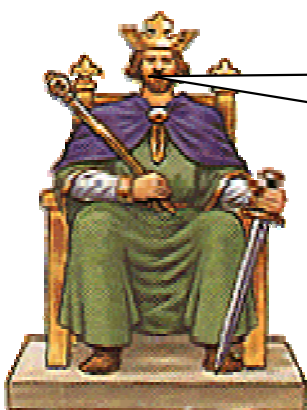
26 6×4 27 3×4

28 12×2 29 12×8 30 6×2



You may be smarter than me but I'm tougher than you!!

Teachers' Notes



When learned **properly**, by practising, revising, practising, revising, practising, revising tables are impossible to forget.

It makes good sense to practise 3s, 6s and 9s in that order. Every product is a multiple of 3.

A doubling/halving pattern can be seen with the 3s and 6s.

**All "6" products are even numbers.
"3" and "9" products are alternately odd and even.**

Note: The sum of the digits in each of the two-digit products is divisible by 3.

Examples: $7 \times 3 = 21$ $2 + 1 = 3$
 $8 \times 6 = 48$ $4 + 8 = 12$
 $8 \times 9 = 72$ $7 + 2 = 9$

Suggested Time Allowed

Test Description	Year Level					
	3	4	5	6	7	8/9
3, 6, 9 Times Table. 30 questions. (products)	2m 42s	2m 24s	2m 06s	1m 48s	1m 30s	1m 12s

Times Tables

$\times 3, \times 6, \times 9$

1 6×9

2 5×3

3 8×6

4 11×6

5 6×3

6 12×6

7 2×3

8 4×9

9 9×6

10 3×3

I can't do times tables but at least I can fly.
Wait on...no I can't.

11 4×3

12 2×9

14 3×9

13 7×6

16 4×6

15 5×9

17 11×9

18 12×3

21 5×6

19 8×3

20 9×9

22 6×6

23 9×3

24 3×6

25 8×9

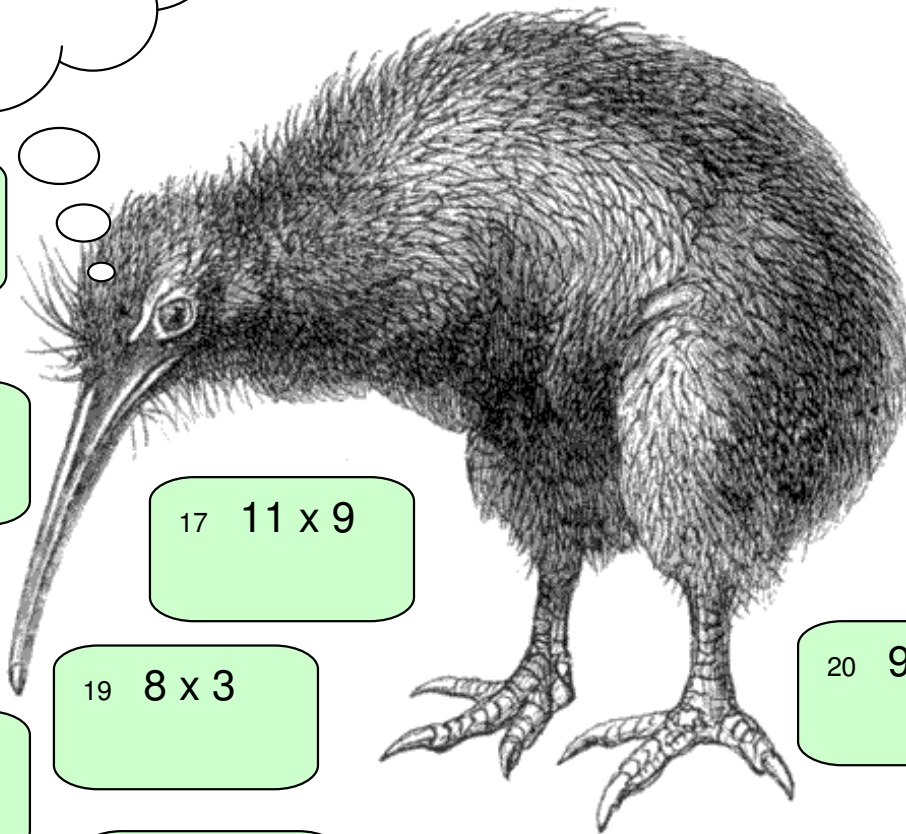
26 11×3

27 7×3

28 2×6

29 7×9

30 12×9



Teachers' Notes



What do you notice about the sum of the digits in each multiple of 9?

The digit sum = 9.

This is a test of 9 times tables products to 12 x 9.


Older students who know their 9 times tables perfectly will be able to comfortably complete the test in 30 seconds.

Younger students will take a little longer.

Test Description	Suggested Time Allowed					
	Year Level					
9 Times Table. 10 questions. (products)	3	4	5	6	7	8/9
	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec


Fly By Nines

4



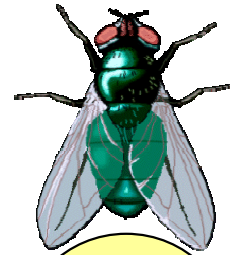
Yellow circle

11




Yellow circle

6




Yellow circle

Multiply each fly's number by 9.




9

2




Yellow circle

5



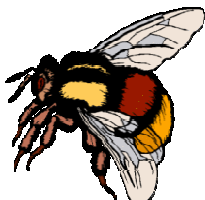
Yellow circle

3



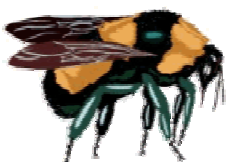
Yellow circle

9




Yellow circle

7




Yellow circle

8



Yellow circle

12

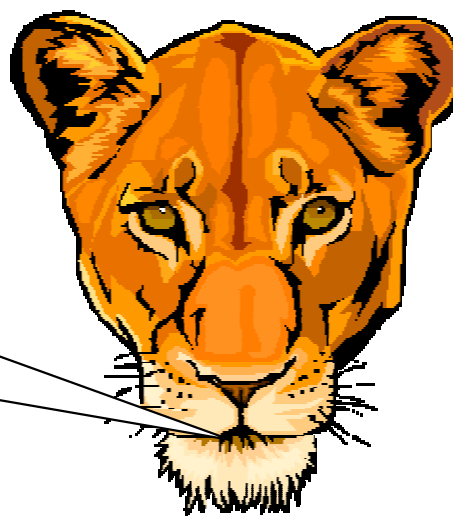


Yellow circle

Teachers' Notes



Are boys better
than girls at
Times Tables?



NO

This sheet shows all times tables products to 12 x 12.

It is suitable for inclusion in a maths workbook or folder.

**It may also be placed on a bedroom wall or door
(with parents' permission of course!)**



If you practise your times tables.....



you'll get better grades in maths.

2	$x 1 = 2$	$x 2 = 4$	$x 3 = 6$	$x 4 = 8$	$x 5 = 10$	$x 6 = 12$
	$x 7 = 14$	$x 8 = 16$	$x 9 = 18$	$x 10 = 20$	$x 11 = 22$	$x 12 = 24$
3	$x 1 = 3$	$x 2 = 6$	$x 3 = 9$	$x 4 = 12$	$x 5 = 15$	$x 6 = 18$
	$x 7 = 21$	$x 8 = 24$	$x 9 = 27$	$x 10 = 30$	$x 11 = 33$	$x 12 = 36$
4	$x 1 = 4$	$x 2 = 8$	$x 3 = 12$	$x 4 = 16$	$x 5 = 20$	$x 6 = 24$
	$x 7 = 28$	$x 8 = 32$	$x 9 = 36$	$x 10 = 40$	$x 11 = 44$	$x 12 = 48$
5	$x 1 = 5$	$x 2 = 10$	$x 3 = 15$	$x 4 = 20$	$x 5 = 25$	$x 6 = 30$
	$x 7 = 35$	$x 8 = 40$	$x 9 = 45$	$x 10 = 50$	$x 11 = 55$	$x 12 = 60$
6	$x 1 = 6$	$x 2 = 12$	$x 3 = 18$	$x 4 = 24$	$x 5 = 30$	$x 6 = 36$
	$x 7 = 42$	$x 8 = 48$	$x 9 = 54$	$x 10 = 60$	$x 11 = 66$	$x 12 = 72$
7	$x 1 = 7$	$x 2 = 14$	$x 3 = 21$	$x 4 = 28$	$x 5 = 35$	$x 6 = 42$
	$x 7 = 49$	$x 8 = 56$	$x 9 = 63$	$x 10 = 70$	$x 11 = 77$	$x 12 = 84$
8	$x 1 = 8$	$x 2 = 16$	$x 3 = 24$	$x 4 = 32$	$x 5 = 40$	$x 6 = 48$
	$x 7 = 56$	$x 8 = 64$	$x 9 = 72$	$x 10 = 80$	$x 11 = 88$	$x 12 = 96$
9	$x 1 = 9$	$x 2 = 18$	$x 3 = 27$	$x 4 = 36$	$x 5 = 45$	$x 6 = 54$
	$x 7 = 63$	$x 8 = 72$	$x 9 = 81$	$x 10 = 90$	$x 11 = 99$	$x 12 = 108$
10	$x 1 = 10$	$x 2 = 20$	$x 3 = 30$	$x 4 = 40$	$x 5 = 50$	$x 6 = 60$
	$x 7 = 70$	$x 8 = 80$	$x 9 = 90$	$x 10 = 100$	$x 11 = 110$	$x 12 = 120$
11	$x 1 = 11$	$x 2 = 22$	$x 3 = 33$	$x 4 = 44$	$x 5 = 55$	$x 6 = 66$
	$x 7 = 77$	$x 8 = 88$	$x 9 = 99$	$x 10 = 110$	$x 11 = 121$	$x 12 = 132$
12	$x 1 = 12$	$x 2 = 24$	$x 3 = 36$	$x 4 = 48$	$x 5 = 60$	$x 6 = 72$
	$x 7 = 84$	$x 8 = 96$	$x 9 = 108$	$x 10 = 120$	$x 11 = 132$	$x 12 = 144$

Teachers' Notes

Get these all correct and you're doing very well.



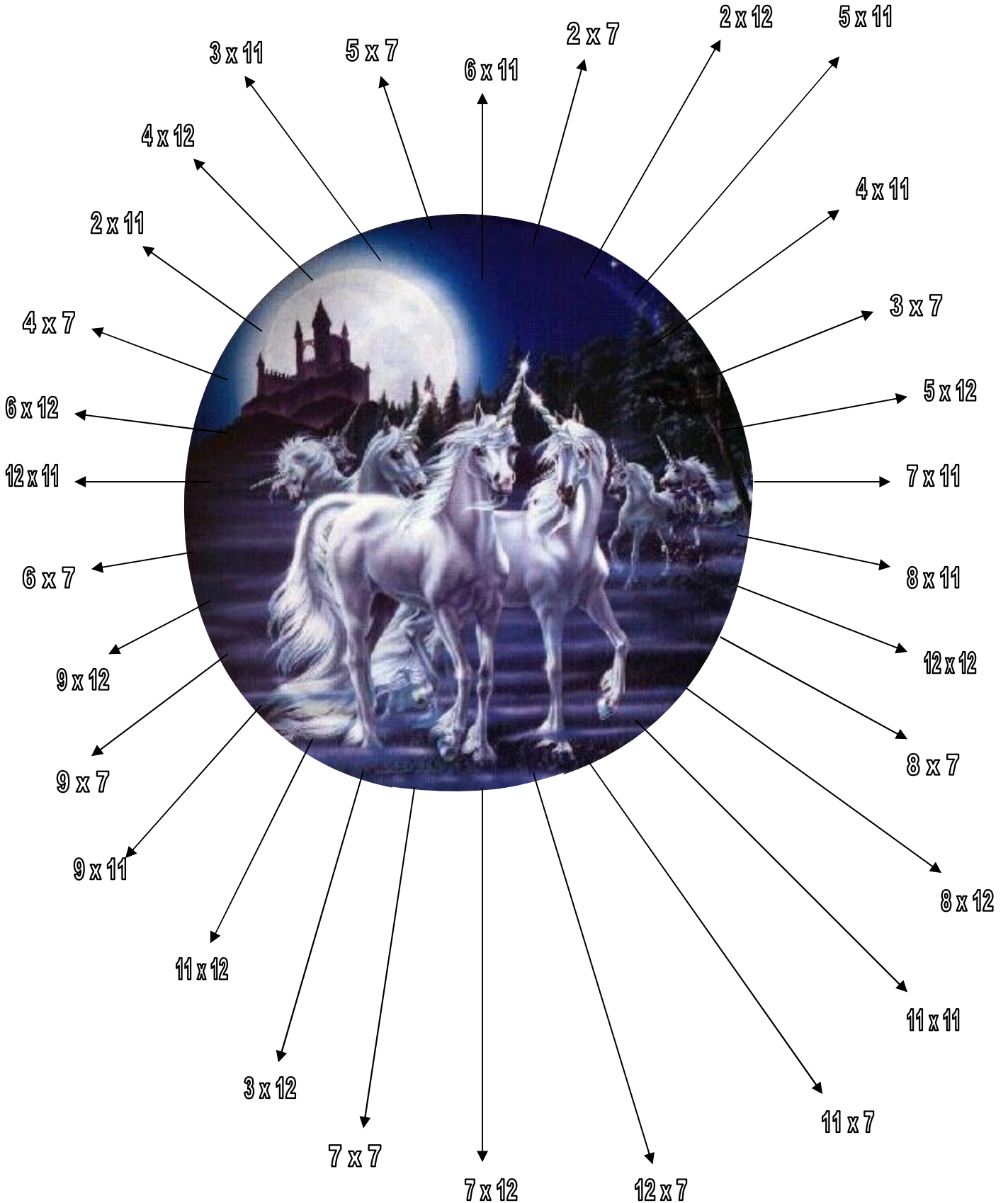
Unlike the 2s, 4s and 8s, and also the 3s, 6s and 9s, the 7s and 11s don't have 'cousins'; they stand alone. So we've partnered them up here, along with the 12s for good measure.

Write answers next to the tables.

Test Description	Suggested Time Allowed					
	Year Level					
12, 7, 11 Times Table. 30 questions. (products)	3	4	5	6	7	8/9
	<i>2m 42s</i>	<i>2m 24s</i>	<i>2m 06s</i>	<i>1m 48s</i>	<i>1m 30s</i>	<i>1m 12s</i>

Times Tables

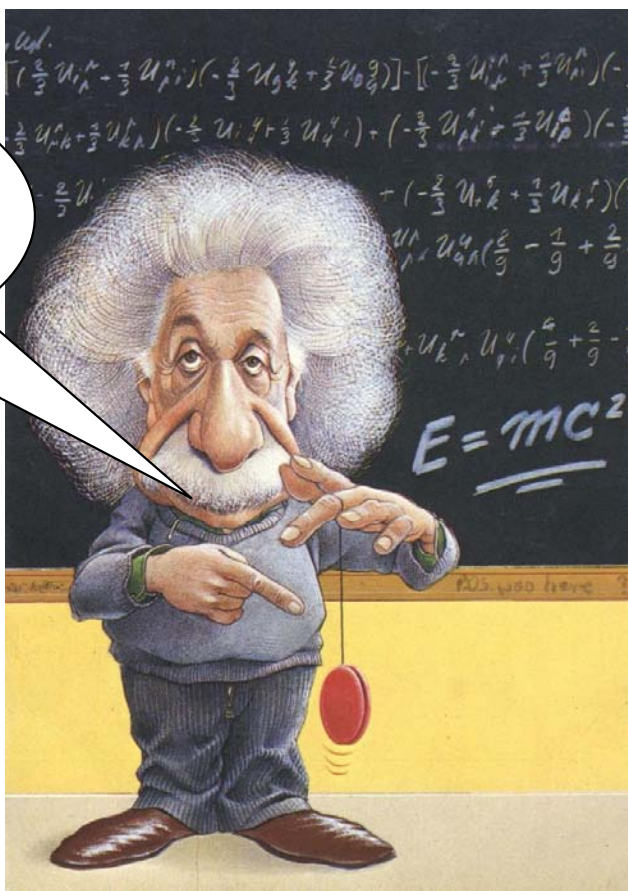
2s, 7s 'n 11s



Teachers' Notes

The Ultimate Times Tables Challenge

Relativity? Easy.
This yoyo trick? Easy.
The Ultimate Times
Tables Challenge? Hm!



The class is given a *time limit to complete all the questions on the sheet.

- Can anyone get all 220 questions correct within the time limit?
- Who can get 220 correct answers in the fastest time?

*Years 8/9.....9 minutes
*Year 7.....11 minutes
*Year 6.....13 minutes
*Year 5.....15 minutes
*Year 4.....17 minutes
*Year 3.....19 minutes

Consider a **Class v Class** or **Whole School** Challenge.

The Ultimate Times Tables Challenge

2s	3s	4s	5s	6s	7s
1 5 x 2 =	1 12 x 3 =	1 3 x 4 =	1 7 x 5 =	1 8 x 6 =	1 2 x 7 =
2 4 ÷ 2 =	2 33 ÷ 3 =	2 16 ÷ 4 =	2 30 ÷ 5 =	2 30 ÷ 6 =	2 28 ÷ 7 =
3 7 x 2 =	3 5 x 3 =	3 7 x 4 =	3 8 x 5 =	3 7 x 6 =	3 4 x 7 =
4 10 ÷ 2 =	4 12 ÷ 3 =	4 32 ÷ 4 =	4 20 ÷ 5 =	4 54 ÷ 6 =	4 77 ÷ 7 =
5 4 x 2 =	5 3 x 3 =	5 11 x 4 =	5 4 x 5 =	5 9 x 6 =	5 8 x 7 =
6 24 ÷ 2 =	6 27 ÷ 3 =	6 24 ÷ 4 =	6 55 ÷ 5 =	6 72 ÷ 6 =	6 63 ÷ 7 =
7 8 ÷ 2 =	7 6 ÷ 3 =	7 12 ÷ 4 =	7 45 ÷ 5 =	7 48 ÷ 6 =	7 35 ÷ 7 =
8 11 x 2 =	8 6 x 3 =	8 8 x 4 =	8 9 x 5 =	8 4 x 6 =	8 9 x 7 =
9 22 ÷ 2 =	9 15 ÷ 3 =	9 48 ÷ 4 =	9 60 ÷ 5 =	9 18 ÷ 6 =	9 42 ÷ 7 =
10 12 x 2 =	10 8 x 3 =	10 9 x 4 =	10 12 x 5 =	10 11 x 6 =	10 12 x 7 =
11 2 x 2 =	11 2 x 3 =	11 12 x 4 =	11 5 x 5 =	11 12 x 6 =	11 11 x 7 =
12 6 ÷ 2 =	12 36 ÷ 3 =	12 8 ÷ 4 =	12 25 ÷ 5 =	12 36 ÷ 6 =	12 14 ÷ 7 =
13 3 x 2 =	13 11 x 3 =	13 2 x 4 =	13 6 x 5 =	13 5 x 6 =	13 3 x 7 =
14 18 ÷ 2 =	14 18 ÷ 3 =	14 36 ÷ 4 =	14 10 ÷ 5 =	14 12 ÷ 6 =	14 49 ÷ 7 =
15 9 x 2 =	15 7 x 3 =	15 5 x 4 =	15 2 x 5 =	15 2 x 6 =	15 6 x 7 =
16 6 x 2 =	16 9 x 3 =	16 4 x 4 =	16 11 x 5 =	16 6 x 6 =	16 7 x 7 =
17 12 ÷ 2 =	17 9 ÷ 3 =	17 44 ÷ 4 =	17 35 ÷ 5 =	17 66 ÷ 6 =	17 56 ÷ 7 =
18 16 ÷ 2 =	18 21 ÷ 3 =	18 20 ÷ 4 =	18 15 ÷ 5 =	18 42 ÷ 6 =	18 21 ÷ 7 =
19 14 ÷ 2 =	19 24 ÷ 3 =	19 28 ÷ 4 =	19 40 ÷ 5 =	19 24 ÷ 6 =	19 84 ÷ 7 =
20 8 x 2 =	20 4 x 3 =	20 6 x 4 =	20 3 x 5 =	20 3 x 6 =	20 5 x 7 =
8s	9s	10s	11s	12s	
1 8 x 8 =	1 4 x 9 =	1 12 x 10 =	1 6 x 11 =	1 2 x 12 =	
2 24 ÷ 8 =	2 18 ÷ 9 =	2 70 ÷ 10 =	2 33 ÷ 11 =	2 24 ÷ 12 =	
3 3 x 8 =	3 7 x 9 =	3 4 x 10 =	3 8 x 11 =	3 5 x 12 =	
4 40 ÷ 8 =	4 72 ÷ 9 =	4 20 ÷ 10 =	4 66 ÷ 11 =	4 144 ÷ 12 =	
5 9 x 8 =	5 3 x 9 =	5 9 x 10 =	5 5 x 11 =	5 4 x 12 =	
6 88 ÷ 8 =	6 45 ÷ 9 =	6 80 ÷ 10 =	6 132 ÷ 11 =	6 36 ÷ 12 =	
7 32 ÷ 8 =	7 81 ÷ 9 =	7 30 ÷ 10 =	7 99 ÷ 11 =	7 96 ÷ 12 =	
8 11 x 8 =	8 5 x 9 =	8 2 x 10 =	8 11 x 11 =	8 7 x 12 =	
9 96 ÷ 8 =	9 54 ÷ 9 =	9 50 ÷ 10 =	9 77 ÷ 11 =	9 48 ÷ 12 =	
10 12 x 8 =	10 9 x 9 =	10 6 x 10 =	10 7 x 11 =	10 11 x 12 =	
11 5 x 8 =	11 12 x 9 =	11 11 x 10 =	11 4 x 11 =	11 8 x 12 =	
12 48 ÷ 8 =	12 27 ÷ 9 =	12 90 ÷ 10 =	12 22 ÷ 11 =	12 108 ÷ 12 =	
13 2 x 8 =	13 6 x 9 =	13 7 x 10 =	13 12 x 11 =	13 9 x 12 =	
14 56 ÷ 8 =	14 63 ÷ 9 =	14 60 ÷ 10 =	14 44 ÷ 11 =	14 60 ÷ 12 =	
15 7 x 8 =	15 11 x 9 =	15 8 x 10 =	15 2 x 11 =	15 6 x 12 =	
16 4 x 8 =	16 8 x 9 =	16 3 x 10 =	16 9 x 11 =	16 3 x 12 =	
17 72 ÷ 8 =	17 108 ÷ 9 =	17 110 ÷ 10 =	17 88 ÷ 11 =	17 72 ÷ 12 =	
18 64 ÷ 8 =	18 99 ÷ 9 =	18 120 ÷ 10 =	18 55 ÷ 11 =	18 132 ÷ 12 =	
19 16 ÷ 8 =	19 36 ÷ 9 =	19 40 ÷ 10 =	19 121 ÷ 11 =	19 84 ÷ 12 =	
20 6 x 8 =	20 2 x 9 =	20 5 x 10 =	20 3 x 11 =	20 12 x 12 =	

Time Allowed

Time Taken

Score

Teachers' Notes

Times Table Graph



Your pupils get a clear look at how they're progressing in each table.

- **Copy the graph for every student.**
- **Students keep the graph with their maths notes.**
- **After each individual (eg x 3) tables test convert the score to a percentage.**
- **Use different colours for each table to colour in the scores on the bar graph.**
e.g. colour the 2s yellow, the 3s blue, the 4s red, etc.
- **Re-test later in the year (or term) to gauge improvement and colour graph again (use same colours to make comparisons easier).**

Times Table Graph

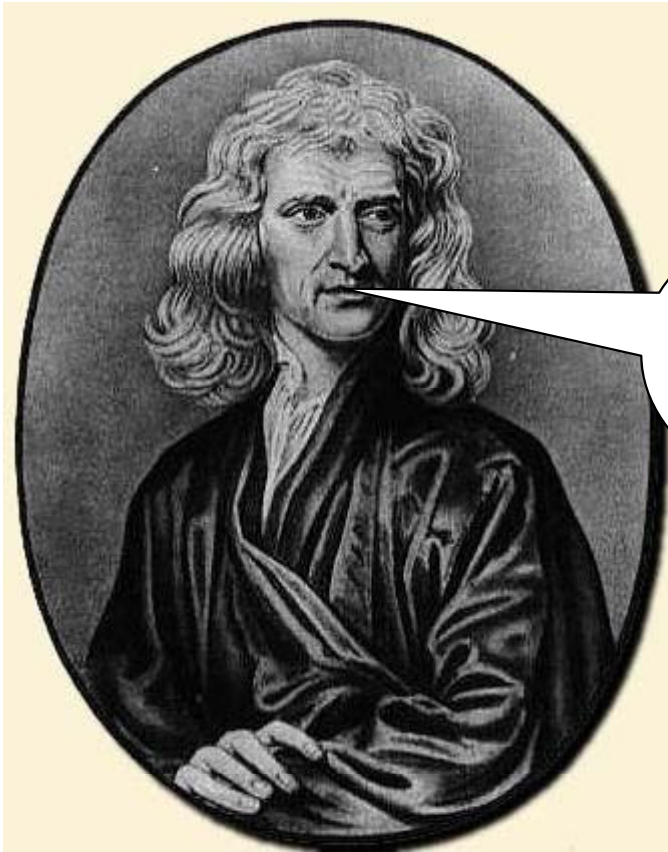
Graph of My Tables Test Scores

Table →	2	3	4	5	6	7	8	9	10	11	12	2	3	4	5	6	7	8	9	10	11	12	2	3	4	5	6	7	8	9	10	11	12
100																																	
95																																	
90																																	
85																																	
80																																	
75																																	
70																																	
65																																	
60																																	
55																																	
50																																	
45																																	
40																																	
35																																	
30																																	
25																																	
20																																	
15																																	
10																																	
5																																	
Date →																																	

To avoid slipping up, practise tables (both multiplication & division) every day for 10 minutes until known perfectly.



Teachers' Notes



I needed my knowledge of the 12 times table to come up with my gravity formula.

This is a test of 12 Times Tables products to 12 x 12.

Older students who know their 12 times tables perfectly will be able to comfortably complete the test in 30 seconds. Younger students will take a little longer.

Test Description	Suggested Time Allowed					
	Year Level					
12 Times Table. 10 questions. (products)	3	4	5	6	7	8/9
	54 sec	48 sec	42 sec	36 sec	30 sec	24 sec

12 Times Tables

$6 \times 12 =$

$9 \times 12 =$

$4 \times 12 =$

$5 \times 12 =$

$3 \times 12 =$



$2 \times 12 =$

$11 \times 12 =$

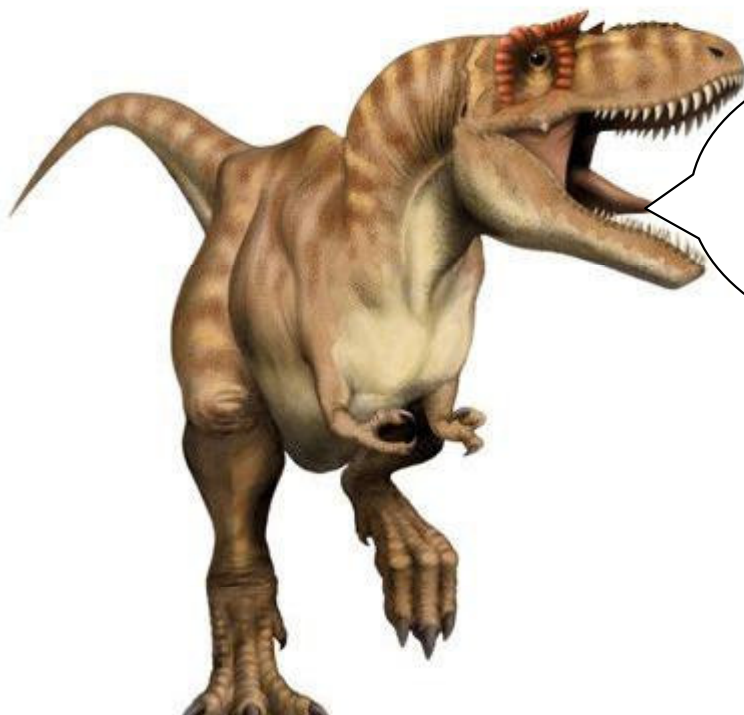
$8 \times 12 =$

$12 \times 12 =$

$7 \times 12 =$

Practise the divisions too..... eg $132 \div 12 = 11$

Teachers' Notes



*Division and Dinosaur
we were both around ages
 ago, we both begin with D, we
 both have 8 letters
 (4 consonants, 4 vowels), we
 both have 3 syllables
and we both scare little kids!!*

Dino Smart: a Universal Quotient-Product Times Tables Test

-able to be used to test any times table-

- students write a number on the dotted lines in the “Now complete the following” section (the number is given by the teacher and is the times table to be tested, eg 8; this number, 8, gets written on every dotted line)
 - students calculate the quotients and write them in the ‘dino’ rectangles. *NB: each rectangle has a letter at the front.*
 - students calculate the products in the “Now complete the following” section by multiplying the number on the dotted line by the letter that matches the rectangle.

Suggested Time Allowed

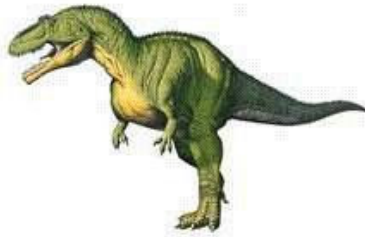
Test Description	Year Level					
	3	4	5	6	7	8/9
10 Divisions followed by 10 Multiplications.	4 m 30s	4 mins	3 m 30s	3 mins	2 m 30s	2 mins

Dino Smart

j) $54 \div 9 =$



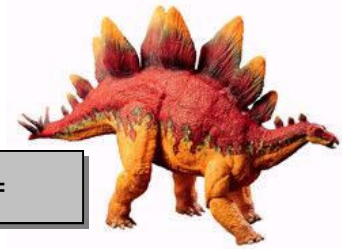
b) $48 \div 12 =$



a) $27 \div 9 =$

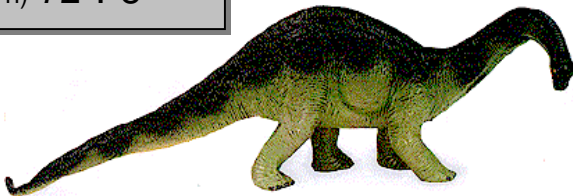


i) $132 \div 12 =$



c) $49 \div 7 =$

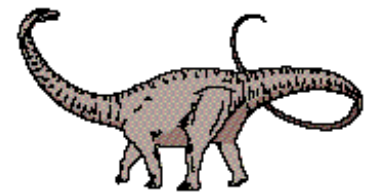
h) $72 \div 8 =$



d) $22 \div 11 =$

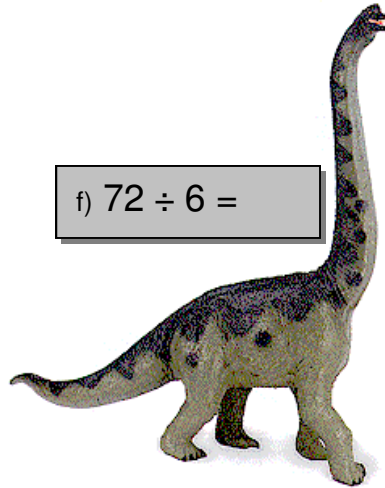


f) $72 \div 6 =$



e) $20 \div 4 =$

g) $56 \div 7 =$



Now complete the following:

1. $\times a$) =

2. $\times b$) =

3. $\times c$) =

4. $\times d$) =

5. $\times e$) =

6. $\times f$) =

7. $\times g$) =

8. $\times h$) =

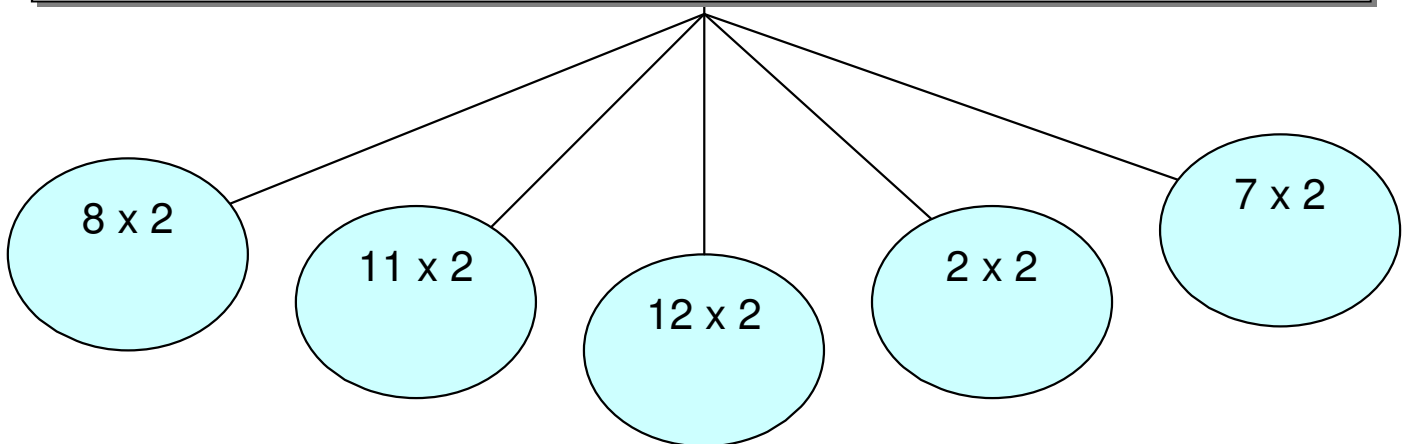
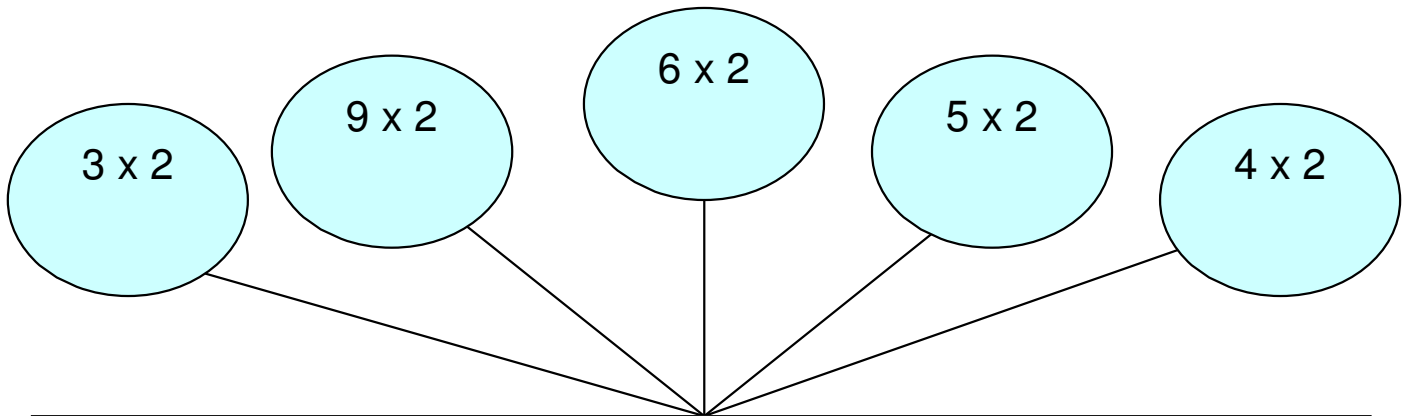
9. $\times i$) =

10. $\times j$) =

My Score

Time Taken

Happy Twos



Mr Odd and Mr Even

3 x Tables

How quickly can you complete your 3 times tables?



He's
Even



And he's
so Odd!

$5 \times 3 =$

$3 \times 3 =$

$11 \times 3 =$

$7 \times 3 =$

$9 \times 3 =$

$6 \div 3 =$

$24 \div 3 =$

$18 \div 3 =$

$12 \div 3 =$

$30 \div 3 =$

Which do you think you calculated more quickly, the products or the quotients?

My Score

My Time

Teachers' Notes

Santa's Tables Check-up



Times tables are the same everywhere: Australia, New Zealand, UK, USA, Canada, South Africa, Singapore.

Even the North Pole!

Both products and quotients are tested in this review of all tables 2s-12s (but not 10s).

Test Description	Suggested Time Allowed					
	Year Level					
40 questions: 20 Divisions and 20 Multiplications.	3	4	5	6	7	8/9
	4 m 30s	4 mins	3 m 30s	3 mins	2 m 30s	2 mins

Ho Ho Ho

Santa's Tables Check-up

$7 \times 2 =$

$6 \times 2 =$

$8 \times 3 =$

$11 \times 3 =$

$24 \div 2 =$

$18 \div 2 =$

$21 \div 3 =$

$36 \div 3 =$



$9 \times 4 =$

$4 \times 4 =$

$7 \times 5 =$

$11 \times 5 =$

$28 \div 4 =$

$24 \div 4 =$

$40 \div 5 =$

$60 \div 5 =$



$3 \times 6 =$

$9 \times 6 =$

$9 \times 7 =$

$3 \times 7 =$

$48 \div 6 =$

$42 \div 6 =$

$77 \div 7 =$

$42 \div 7 =$



$4 \times 8 =$

$7 \times 8 =$

$4 \times 9 =$

$8 \times 9 =$

$96 \div 8 =$

$48 \div 8 =$

$108 \div 9 =$

$54 \div 9 =$



$2 \times 11 =$

$11 \times 11 =$

$5 \times 12 =$

$3 \times 12 =$

$132 \div 11 =$

$44 \div 11 =$

$144 \div 12 =$

$84 \div 12 =$

My Score

My Time

Teachers' Notes



Products are more important than quotients.

Other way around!

70 quotient-only questions on the 'harder' tables.

Test Description	Suggested Time Allowed					
	Year Level					
Mixed Quotients. Harder Tables. 70 questions.	3	4	5	6	7	8/9
	<i>6m 18s</i>	<i>5m 36s</i>	<i>4m 54s</i>	<i>4m 12s</i>	<i>3m 30s</i>	<i>2m 48s</i>

Quick Quotients

4, 6, 7, 8, 9, 11, 12



- 1) $54 \div 9 =$
- 2) $66 \div 11 =$
- 3) $32 \div 4 =$
- 4) $56 \div 7 =$
- 5) $30 \div 6 =$
- 6) $88 \div 8 =$
- 7) $48 \div 4 =$
- 8) $24 \div 12 =$
- 9) $36 \div 9 =$

- 36) $63 \div 7 =$
- 37) $22 \div 11 =$
- 38) $36 \div 4 =$
- 39) $12 \div 6 =$
- 40) $27 \div 9 =$
- 41) $96 \div 8 =$
- 42) $36 \div 6 =$
- 43) $77 \div 11 =$
- 44) $44 \div 4 =$



- 10) $24 \div 8 =$
- 11) $36 \div 12 =$
- 12) $55 \div 11 =$
- 13) $18 \div 6 =$
- 14) $77 \div 7 =$
- 15) $28 \div 4 =$
- 16) $33 \div 11 =$
- 17) $108 \div 12 =$
- 18) $48 \div 8 =$
- 19) $96 \div 12 =$
- 20) $72 \div 12 =$

- 45) $144 \div 12 =$
- 46) $72 \div 9 =$
- 47) $84 \div 7 =$
- 48) $132 \div 12 =$
- 49) $32 \div 8 =$
- 50) $49 \div 7 =$
- 51) $44 \div 11 =$
- 52) $48 \div 12 =$
- 53) $48 \div 6 =$
- 54) $18 \div 9 =$
- 55) $56 \div 8 =$



- 21) $99 \div 9 =$
- 22) $16 \div 8 =$
- 23) $21 \div 7 =$
- 24) $64 \div 8 =$
- 25) $16 \div 4 =$
- 26) $99 \div 11 =$
- 27) $54 \div 6 =$
- 28) $42 \div 7 =$
- 29) $81 \div 9 =$
- 30) $72 \div 6 =$

- 56) $12 \div 4 =$
- 57) $88 \div 11 =$
- 58) $84 \div 12 =$
- 59) $40 \div 8 =$
- 60) $28 \div 7 =$
- 61) $60 \div 12 =$
- 62) $45 \div 9 =$
- 63) $66 \div 6 =$
- 64) $24 \div 4 =$
- 65) $35 \div 7 =$



My Score

- 31) $108 \div 9 =$
- 32) $132 \div 11 =$
- 33) $72 \div 8 =$
- 34) $14 \div 7 =$
- 35) $20 \div 4 =$

- 66) $24 \div 6 =$
- 67) $121 \div 11 =$
- 68) $63 \div 9 =$
- 69) $42 \div 6 =$
- 70) $8 \div 4 =$

My Time

Wise Owl Tables

Find the product of the quotients.
This one has been done for you.

$24 \div 3 =$

$54 \div 9 =$

$x =$

$72 \div 8 =$

$21 \div 7 =$

$x =$

$66 \div 11 =$

$32 \div 8 =$

$x =$

$35 \div 5 = 7$

$12 \div 2 = 6$

$7 \times 6 = 42$

$81 \div 9 =$

$144 \div 12 =$

$x =$

$45 \div 9 =$

$18 \div 3 =$

$x =$

$36 \div 9 =$

$24 \div 3 =$

$x =$

$32 \div 4 =$

$72 \div 6 =$

$x =$

$88 \div 8 =$

$28 \div 4 =$

$x =$

$121 \div 11 =$

$60 \div 5 =$

$x =$

My Score

My Time



Witchy Divide

$27 \div 3$

$36 \div 6$

$24 \div 8$

$32 \div 4$

$84 \div 7$

$18 \div 3$

$22 \div 2$

$24 \div 6$

$66 \div 11$

$54 \div 9$

$44 \div 4$

$35 \div 5$

$72 \div 12$

$49 \div 7$

$36 \div 9$

$40 \div 8$

$33 \div 11$

$132 \div 12$

$144 \div 12$

$35 \div 7$

$121 \div 11$

$81 \div 9$

$72 \div 8$

$45 \div 5$

$30 \div 6$

$36 \div 4$

$21 \div 3$

$88 \div 8$

$24 \div 2$



How well do you know the 'Little' Tables?

Write your answers around the outside (near the smaller numbers)

2 3 4 5 6 7 8 9

2 3 4 5 6 7 8 9

2 3 4 5 6 7 8 9

2 3 4 5 6 7 8 9

My score out of 32 is

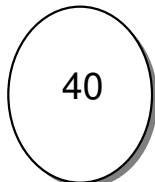
Divide and Multiply

7s, 8s, 9s

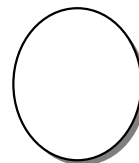
Write the answers above and below the oval shapes.
Then write their product inside the oval.

The one at the top has been done for you.

$$64 \div 8 = 8$$

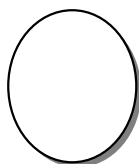


$$54 \div 9 =$$



$$35 \div 7 = 5$$

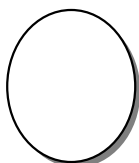
$$24 \div 8 =$$



$$27 \div 9 =$$

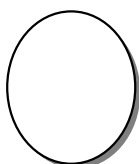
$$49 \div 7 =$$

$$18 \div 9 =$$



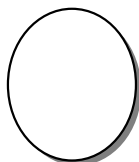
$$63 \div 7 =$$

$$42 \div 7 =$$



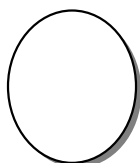
$$72 \div 8 =$$

$$21 \div 7 =$$



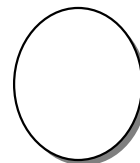
$$28 \div 7 =$$

$$81 \div 9 =$$



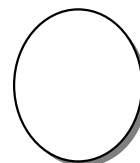
$$16 \div 8 =$$

$$14 \div 7 =$$



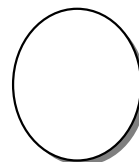
$$48 \div 8 =$$

$$99 \div 9 =$$



$$96 \div 8 =$$

$$84 \div 7 =$$

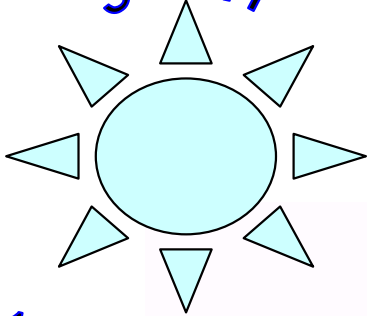


$$108 \div 9 =$$

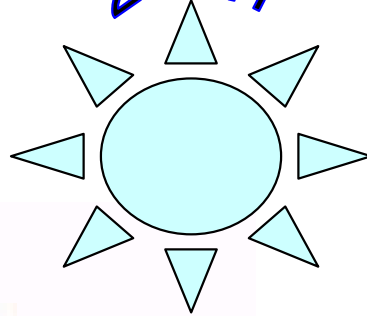


Elves 'n Elevens

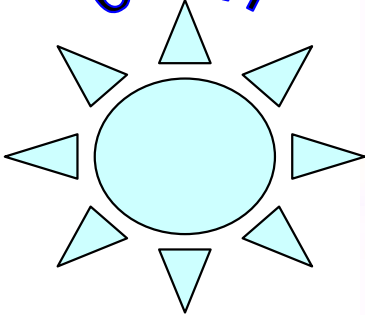
9×17



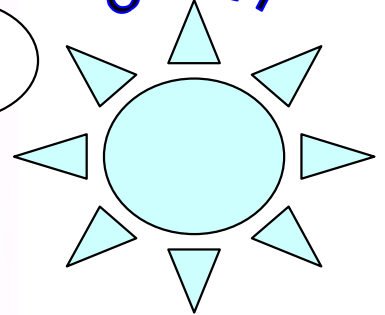
2×17



6×17

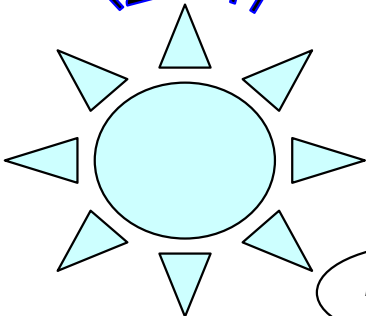


8×17

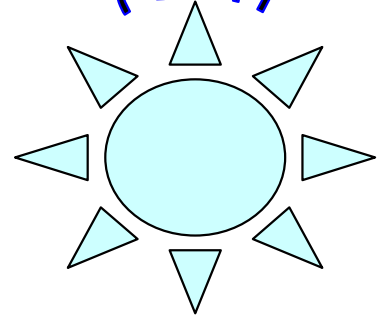


Cool!!

12×17

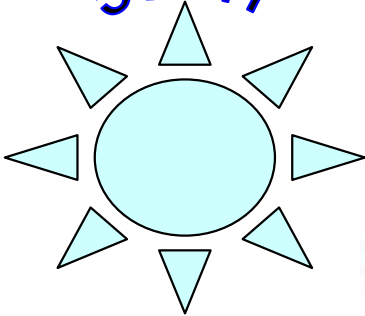


1×17

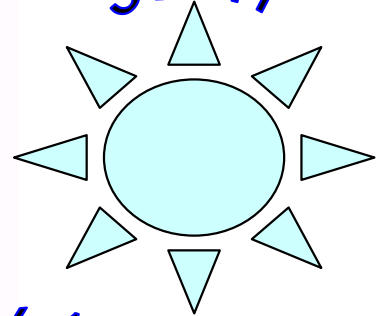


Ho hum.

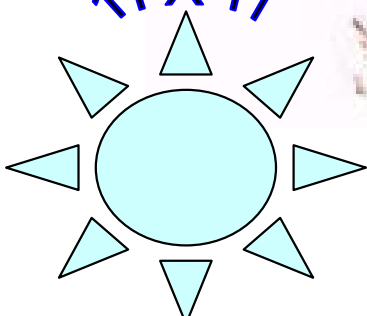
5×17



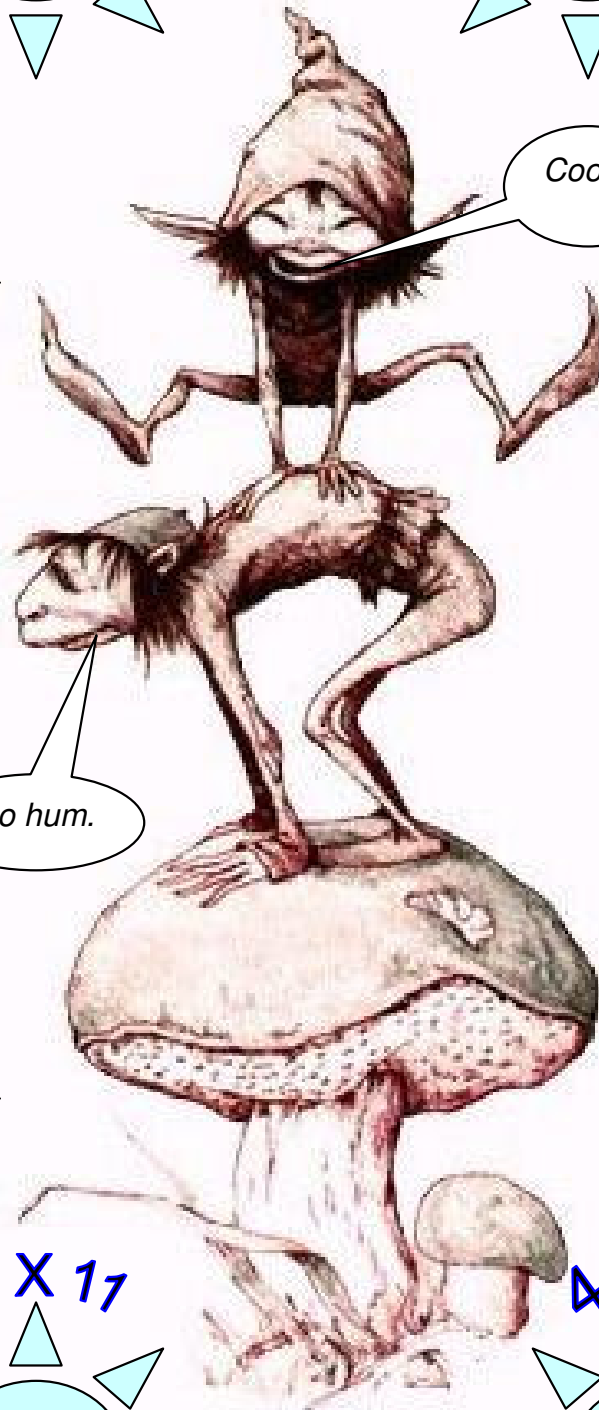
3×17



11×17



4×17



Tables Test

Up to 10 x 10

Name

Date

1. $9 \times 9 =$	26. $5 \times 8 =$	51. $10 \times 7 =$	76. $6 \times 8 =$
2. $7 \times 4 =$	27. $3 \times 4 =$	52. $9 \times 5 =$	77. $0 \times 6 =$
3. $0 \times 0 =$	28. $7 \times 9 =$	53. $2 \times 10 =$	78. $2 \times 0 =$
4. $9 \times 7 =$	29. $7 \times 2 =$	54. $10 \times 9 =$	79. $9 \times 8 =$
5. $8 \times 5 =$	30. $10 \times 0 =$	55. $7 \times 8 =$	80. $9 \times 0 =$
6. $3 \times 10 =$	31. $6 \times 9 =$	56. $10 \times 5 =$	81. $0 \times 2 =$
7. $4 \times 2 =$	32. $4 \times 10 =$	57. $8 \times 7 =$	82. $5 \times 9 =$
8. $10 \times 8 =$	33. $6 \times 4 =$	58. $6 \times 2 =$	83. $5 \times 4 =$
9. $6 \times 6 =$	34. $6 \times 5 =$	59. $0 \times 10 =$	84. $7 \times 5 =$
10. $9 \times 3 =$	35. $2 \times 2 =$	60. $8 \times 9 =$	85. $3 \times 2 =$
11. $5 \times 3 =$	36. $2 \times 7 =$	61. $0 \times 5 =$	86. $5 \times 10 =$
12. $5 \times 2 =$	37. $4 \times 9 =$	62. $3 \times 7 =$	87. $8 \times 0 =$
13. $2 \times 6 =$	38. $8 \times 8 =$	63. $8 \times 2 =$	88. $4 \times 4 =$
14. $9 \times 4 =$	39. $6 \times 10 =$	64. $5 \times 0 =$	89. $3 \times 6 =$
15. $6 \times 3 =$	40. $7 \times 0 =$	65. $5 \times 5 =$	90. $4 \times 7 =$
16. $5 \times 7 =$	41. $5 \times 6 =$	66. $0 \times 4 =$	91. $4 \times 6 =$
17. $8 \times 10 =$	42. $3 \times 5 =$	67. $7 \times 10 =$	92. $8 \times 4 =$
18. $4 \times 0 =$	43. $4 \times 3 =$	68. $0 \times 7 =$	93. $4 \times 5 =$
19. $3 \times 3 =$	44. $3 \times 0 =$	69. $2 \times 5 =$	94. $6 \times 0 =$
20. $10 \times 3 =$	45. $2 \times 8 =$	70. $2 \times 9 =$	95. $2 \times 3 =$
21. $3 \times 9 =$	46. $10 \times 4 =$	71. $7 \times 3 =$	96. $4 \times 8 =$
22. $9 \times 10 =$	47. $8 \times 6 =$	72. $7 \times 6 =$	97. $0 \times 9 =$
23. $6 \times 7 =$	48. $9 \times 2 =$	73. $3 \times 8 =$	98. $7 \times 7 =$
24. $10 \times 2 =$	49. $8 \times 3 =$	74. $0 \times 8 =$	99. $10 \times 10 =$
25. $9 \times 6 =$	50. $0 \times 3 =$	75. $10 \times 6 =$	100. $2 \times 4 =$

Time Allowed

Time Taken

Score

Tables Test

Up to $100 \div 10$

Name.....

Date.....

1. $81 \div 9 =$	26. $40 \div 8 =$	51. $70 \div 7 =$	76. $48 \div 8 =$
2. $28 \div 4 =$	27. $12 \div 4 =$	52. $45 \div 5 =$	77. $4 \div 1 =$
3. $0 \div 0 =$	28. $63 \div 9 =$	53. $20 \div 10 =$	78. $7 \div 1 =$
4. $63 \div 7 =$	29. $14 \div 2 =$	54. $90 \div 9 =$	79. $72 \div 8 =$
5. $40 \div 5 =$	30. $0 \div 3 =$	55. $56 \div 8 =$	80. $3 \div 1 =$
6. $30 \div 10 =$	31. $54 \div 9 =$	56. $50 \div 5 =$	81. $6 \div 1 =$
7. $8 \div 2 =$	32. $40 \div 10 =$	57. $56 \div 7 =$	82. $45 \div 9 =$
8. $80 \div 8 =$	33. $24 \div 4 =$	58. $12 \div 2 =$	83. $20 \div 4 =$
9. $36 \div 6 =$	34. $30 \div 5 =$	59. $0 \div 8 =$	84. $35 \div 5 =$
10. $27 \div 3 =$	35. $4 \div 2 =$	60. $72 \div 9 =$	85. $6 \div 2 =$
11. $15 \div 3 =$	36. $14 \div 7 =$	61. $0 \div 7 =$	86. $50 \div 10 =$
12. $10 \div 2 =$	37. $36 \div 9 =$	62. $21 \div 7 =$	87. $8 \div 1 =$
13. $12 \div 6 =$	38. $64 \div 8 =$	63. $16 \div 2 =$	88. $16 \div 4 =$
14. $36 \div 4 =$	39. $60 \div 10 =$	64. $0 \div 6 =$	89. $18 \div 6 =$
15. $18 \div 3 =$	40. $0 \div 4 =$	65. $25 \div 5 =$	90. $28 \div 7 =$
16. $35 \div 7 =$	41. $30 \div 6 =$	66. $0 \div 5 =$	91. $24 \div 6 =$
17. $80 \div 10 =$	42. $15 \div 5 =$	67. $70 \div 10 =$	92. $32 \div 4 =$
18. $0 \div 2 =$	43. $12 \div 3 =$	68. $0 \div 5 =$	93. $20 \div 5 =$
19. $9 \div 3 =$	44. $0 \div 10 =$	69. $10 \div 5 =$	94. $5 \div 1 =$
20. $30 \div 3 =$	45. $16 \div 8 =$	70. $18 \div 9 =$	95. $6 \div 3 =$
21. $27 \div 9 =$	46. $40 \div 4 =$	71. $21 \div 3 =$	96. $32 \div 8 =$
22. $90 \div 10 =$	47. $48 \div 6 =$	72. $42 \div 6 =$	97. $9 \div 1 =$
23. $42 \div 7 =$	48. $18 \div 2 =$	73. $24 \div 8 =$	98. $49 \div 7 =$
24. $20 \div 2 =$	49. $24 \div 3 =$	74. $10 \div 1 =$	99. $100 \div 10 =$
25. $54 \div 6 =$	50. $0 \div 9 =$	75. $60 \div 6 =$	100. $8 \div 4 =$

Time Allowed

Time Taken

Score

Tables Test

Up to 12 x 12

Name.....

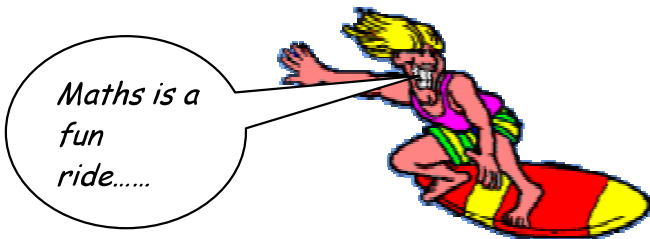
Date.....

	1	2	3	4	5	6	7	8	9	10	11	12	Score
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
													Total

Time Allowed

Time Taken

Score



Maths is a fun ride.....



.....when you know all your tables.

Teachers' Notes

Tables Wiz!

Students may start this with any Times Table they choose.

Instruct students to write their answers above, alongside or below the smaller numbers. 'Above' and 'below' answers should not be written in numbers that are too large as the available space needs to accommodate two lots of answers (The Table above and the Table below).

*To be a true
Tables Wiz you
need to be
accurate....*



...and quick!

*A Tables Wiz
gives **instant**
responses.*



Suggested Time Allowed

Test Description	Year Level					
	3	4	5	6	7	8/9
100 questions: All tables to 12x12 except 0s, 1s, 2s and 10s. (Products only).	9 mins	8 mins	7 mins	6 mins	5 mins	4 mins

Tables Wiz!

Multiply the large number by the smaller numbers. Write the products next to the small numbers.

3 12 8
7
6
2
11
7
4 9 5

3 12 8
4
6
2
11
7
4 9 5

3 12 8
11
6
2
11
7
4 9 5

3 12 8
3
6
2
11
7
4 9 5

How many can you get correct?
What time can you complete it in?



3 12 8
9
6
2
11
7
4 9 5

3 12 8
12
6
2
11
7
4 9 5

3 12 8
5
6
2
11
7
4 9 5

3 12 8
2
6
2
11
7
4 9 5

3 12 8
8
6
2
11
7
4 9 5

3 12 8
6
6
2
11
7
4 9 5

Teachers' Notes

Speed Demons

20 Questions per Test

Times tables are about accuracy and **speed**.



Time allowed *per test* is 90 seconds.
Teacher has times written on blackboard in multiples of 5 seconds, as follows:

10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90

As each times elapses teacher strikes a line through it.
When students finish they look at the board and record their time, which is the last time that has been struck out.

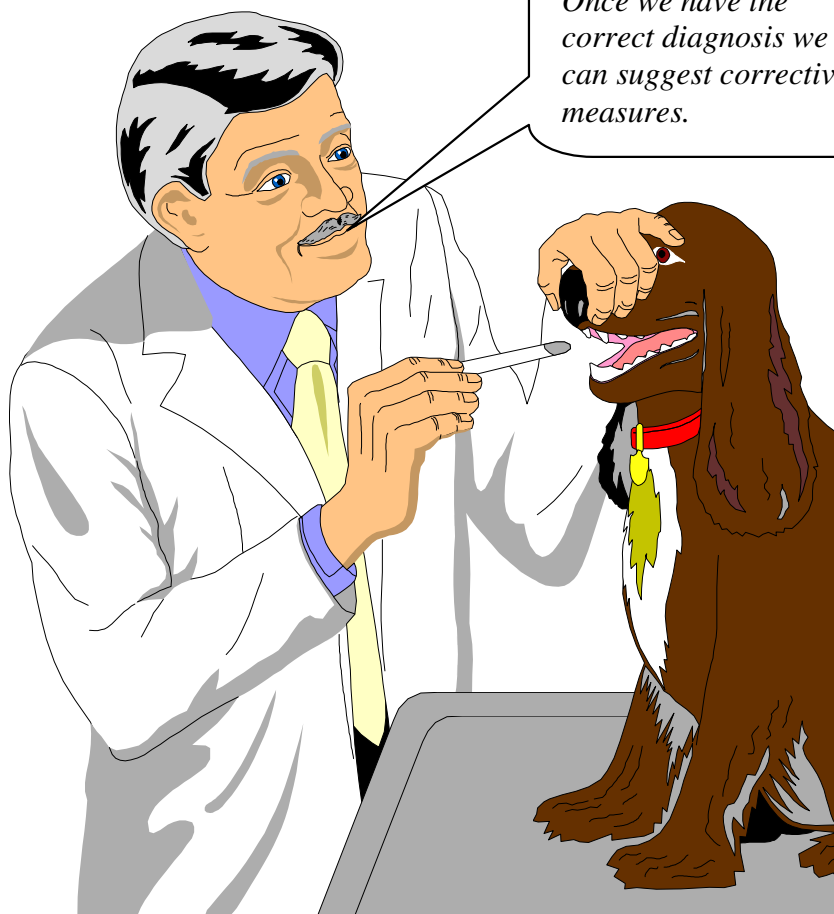
**Who is the most accurate and fastest at completing the tests?
Awards for best performers and most improved.**

Speed Demons

2s	3s	4s	5s	6s	7s
1 5 x 2 =	1 12 x 3 =	1 3 x 4 =	1 7 x 5 =	1 8 x 6 =	1 2 x 7 =
2 4 ÷ 2 =	2 33 ÷ 3 =	2 16 ÷ 4 =	2 30 ÷ 5 =	2 30 ÷ 6 =	2 28 ÷ 7 =
3 7 x 2 =	3 5 x 3 =	3 7 x 4 =	3 8 x 5 =	3 7 x 6 =	3 4 x 7 =
4 10 ÷ 2 =	4 12 ÷ 3 =	4 32 ÷ 4 =	4 20 ÷ 5 =	4 54 ÷ 6 =	4 77 ÷ 7 =
5 4 x 2 =	5 3 x 3 =	5 11 x 4 =	5 4 x 5 =	5 9 x 6 =	5 8 x 7 =
6 24 ÷ 2 =	6 27 ÷ 3 =	6 24 ÷ 4 =	6 55 ÷ 5 =	6 72 ÷ 6 =	6 63 ÷ 7 =
7 8 ÷ 2 =	7 6 ÷ 3 =	7 12 ÷ 4 =	7 45 ÷ 5 =	7 48 ÷ 6 =	7 35 ÷ 7 =
8 11 x 2 =	8 6 x 3 =	8 8 x 4 =	8 9 x 5 =	8 4 x 6 =	8 9 x 7 =
9 22 ÷ 2 =	9 15 ÷ 3 =	9 48 ÷ 4 =	9 60 ÷ 5 =	9 18 ÷ 6 =	9 42 ÷ 7 =
10 12 x 2 =	10 8 x 3 =	10 9 x 4 =	10 12 x 5 =	10 11 x 6 =	10 12 x 7 =
11 2 x 2 =	11 2 x 3 =	11 12 x 4 =	11 5 x 5 =	11 12 x 6 =	11 11 x 7 =
12 6 ÷ 2 =	12 36 ÷ 3 =	12 8 ÷ 4 =	12 25 ÷ 5 =	12 36 ÷ 6 =	12 14 ÷ 7 =
13 3 x 2 =	13 11 x 3 =	13 2 x 4 =	13 6 x 5 =	13 5 x 6 =	13 3 x 7 =
14 18 ÷ 2 =	14 18 ÷ 3 =	14 36 ÷ 4 =	14 10 ÷ 5 =	14 12 ÷ 6 =	14 49 ÷ 7 =
15 9 x 2 =	15 7 x 3 =	15 5 x 4 =	15 2 x 5 =	15 2 x 6 =	15 6 x 7 =
16 6 x 2 =	16 9 x 3 =	16 4 x 4 =	16 11 x 5 =	16 6 x 6 =	16 7 x 7 =
17 12 ÷ 2 =	17 9 ÷ 3 =	17 44 ÷ 4 =	17 35 ÷ 5 =	17 66 ÷ 6 =	17 56 ÷ 7 =
18 16 ÷ 2 =	18 21 ÷ 3 =	18 20 ÷ 4 =	18 15 ÷ 5 =	18 42 ÷ 6 =	18 21 ÷ 7 =
19 14 ÷ 2 =	19 24 ÷ 3 =	19 28 ÷ 4 =	19 40 ÷ 5 =	19 24 ÷ 6 =	19 84 ÷ 7 =
20 8 x 2 =	20 4 x 3 =	20 6 x 4 =	20 3 x 5 =	20 3 x 6 =	20 5 x 7 =
Time:	Time:	Time:	Time:	Time:	Time:
Score:	Score:	Score:	Score:	Score:	Score:
8s	9s	10s	11s	12s	
1 8 x 8 =	1 4 x 9 =	1 12 x 10 =	1 6 x 11 =	1 2 x 12 =	
2 32 ÷ 8 =	2 18 ÷ 9 =	2 70 ÷ 10 =	2 33 ÷ 11 =	2 24 ÷ 12 =	
3 3 x 8 =	3 7 x 9 =	3 4 x 10 =	3 8 x 11 =	3 5 x 12 =	
4 40 ÷ 8 =	4 72 ÷ 9 =	4 20 ÷ 10 =	4 66 ÷ 11 =	4 144 ÷ 12 =	
5 9 x 8 =	5 3 x 9 =	5 9 x 10 =	5 5 x 11 =	5 4 x 12 =	
6 88 ÷ 8 =	6 45 ÷ 9 =	6 80 ÷ 10 =	6 132 ÷ 11 =	6 36 ÷ 12 =	
7 24 ÷ 8 =	7 81 ÷ 9 =	7 30 ÷ 10 =	7 99 ÷ 11 =	7 96 ÷ 12 =	
8 11 x 8 =	8 5 x 9 =	8 2 x 10 =	8 11 x 11 =	8 7 x 12 =	
9 96 ÷ 8 =	9 54 ÷ 9 =	9 50 ÷ 10 =	9 77 ÷ 11 =	9 48 ÷ 12 =	
10 12 x 8 =	10 9 x 9 =	10 6 x 10 =	10 7 x 11 =	10 11 x 12 =	
11 5 x 8 =	11 12 x 9 =	11 11 x 10 =	11 4 x 11 =	11 8 x 12 =	
12 48 ÷ 8 =	12 27 ÷ 9 =	12 90 ÷ 10 =	12 22 ÷ 11 =	12 108 ÷ 12 =	
13 2 x 8 =	13 6 x 9 =	13 7 x 10 =	13 12 x 11 =	13 9 x 12 =	
14 56 ÷ 8 =	14 63 ÷ 9 =	14 60 ÷ 10 =	14 44 ÷ 11 =	14 60 ÷ 12 =	
15 7 x 8 =	15 11 x 9 =	15 8 x 10 =	15 2 x 11 =	15 6 x 12 =	
16 4 x 8 =	16 8 x 9 =	16 3 x 10 =	16 9 x 11 =	16 3 x 12 =	
17 72 ÷ 8 =	17 108 ÷ 9 =	17 110 ÷ 10 =	17 88 ÷ 11 =	17 72 ÷ 12 =	
18 64 ÷ 8 =	18 99 ÷ 9 =	18 120 ÷ 10 =	18 55 ÷ 11 =	18 132 ÷ 12 =	
19 16 ÷ 8 =	19 36 ÷ 9 =	19 40 ÷ 10 =	19 121 ÷ 11 =	19 84 ÷ 12 =	
20 6 x 8 =	20 2 x 9 =	20 5 x 10 =	20 3 x 11 =	20 12 x 12 =	
Time:	Time:	Time:	Time:	Time:	
Score:	Score:	Score:	Score:	Score:	

Teachers' Notes

Class Times Tables Progress



Once we have the correct diagnosis we can suggest corrective measures.

- **This graph is for the teacher's record keeping.**
- **Ticks or crosses may be used to indicate proficiency in a particular Table.**
- **Test scores may be used if preferred to the above.**
- **Note that the graph provides for 3 test results in each Table.**

Teachers' Notes

Tables-athon

Sponsored learning of Times Tables to raise funds for class or school.

Family, relatives, friends, neighbours, local businesses and work colleagues may wish to assist your school or class in improving their times tables skills.

Older children will obtain higher scores than younger ones but Merit Awards could be given to students of all year levels who

- raise the most money
- obtain the highest score (*fastest time in case of two or more students with 100 correct responses*)

Money raised can be used to purchase library books, computer software/hardware etc, or donated to a charitable cause (such as the Asthma Foundation).

- The Tables-athon Test, Sponsor Sheet and Award follow.
- The Tables-athon Award could be enhanced by colouring it **or** printing it onto coloured board.
- Note time allowed at bottom of Test.



*A wise
enterprise!*

Tables-athon

Name..... Date.....

1	$5 \times 12 =$	26	$2 \times 5 =$	51	$3 \times 5 =$	76	$12 \times 11 =$
2	$2 \times 4 =$	27	$12 \times 9 =$	52	$4 \times 8 =$	77	$9 \times 6 =$
3	$11 \times 6 =$	28	$2 \times 2 =$	53	$4 \times 12 =$	78	$5 \times 2 =$
4	$4 \times 2 =$	29	$12 \times 6 =$	54	$4 \times 5 =$	79	$11 \times 7 =$
5	$5 \times 5 =$	30	$6 \times 5 =$	55	$2 \times 3 =$	80	$7 \times 5 =$
6	$3 \times 3 =$	31	$2 \times 12 =$	56	$8 \times 5 =$	81	$5 \times 8 =$
7	$9 \times 9 =$	32	$9 \times 5 =$	57	$3 \times 2 =$	82	$7 \times 12 =$
8	$9 \times 11 =$	33	$3 \times 8 =$	58	$5 \times 9 =$	83	$8 \times 9 =$
9	$2 \times 8 =$	34	$3 \times 4 =$	59	$11 \times 11 =$	84	$4 \times 3 =$
10	$11 \times 2 =$	35	$6 \times 12 =$	60	$8 \times 11 =$	85	$9 \times 7 =$
11	$8 \times 7 =$	36	$5 \times 3 =$	61	$7 \times 9 =$	86	$6 \times 2 =$
12	$9 \times 8 =$	37	$6 \times 9 =$	62	$8 \times 6 =$	87	$6 \times 3 =$
13	$9 \times 2 =$	38	$7 \times 11 =$	63	$11 \times 12 =$	88	$4 \times 9 =$
14	$11 \times 5 =$	39	$6 \times 7 =$	64	$12 \times 2 =$	89	$6 \times 11 =$
15	$3 \times 6 =$	40	$11 \times 9 =$	65	$5 \times 6 =$	90	$4 \times 4 =$
16	$8 \times 12 =$	41	$8 \times 8 =$	66	$5 \times 11 =$	91	$4 \times 6 =$
17	$12 \times 7 =$	42	$6 \times 6 =$	67	$5 \times 4 =$	92	$6 \times 8 =$
18	$7 \times 8 =$	43	$6 \times 4 =$	68	$7 \times 7 =$	93	$7 \times 2 =$
19	$4 \times 7 =$	44	$7 \times 3 =$	69	$3 \times 9 =$	94	$4 \times 11 =$
20	$8 \times 2 =$	45	$12 \times 8 =$	70	$8 \times 3 =$	95	$5 \times 7 =$
21	$11 \times 8 =$	46	$12 \times 12 =$	71	$7 \times 4 =$	96	$8 \times 4 =$
22	$3 \times 11 =$	47	$2 \times 11 =$	72	$2 \times 6 =$	97	$3 \times 12 =$
23	$9 \times 4 =$	48	$7 \times 6 =$	73	$11 \times 3 =$	98	$3 \times 7 =$
24	$9 \times 3 =$	49	$11 \times 4 =$	74	$9 \times 12 =$	99	$12 \times 3 =$
25	$2 \times 9 =$	50	$2 \times 7 =$	75	$12 \times 4 =$	100	$12 \times 5 =$

Time Allowed

Years 5 and above: 6 min
Years 4 and below: 8 min

Time Taken

Score

Tables-athon Award

Presented to

.....

for

.....



Signed

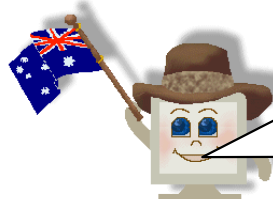
Date

National Times Tables Championships

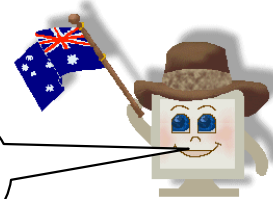
This is an annual competition to find Australia's best performing Times Tables individuals and classes.

Closing date: Entries must be received by last day of term 3 in your state.

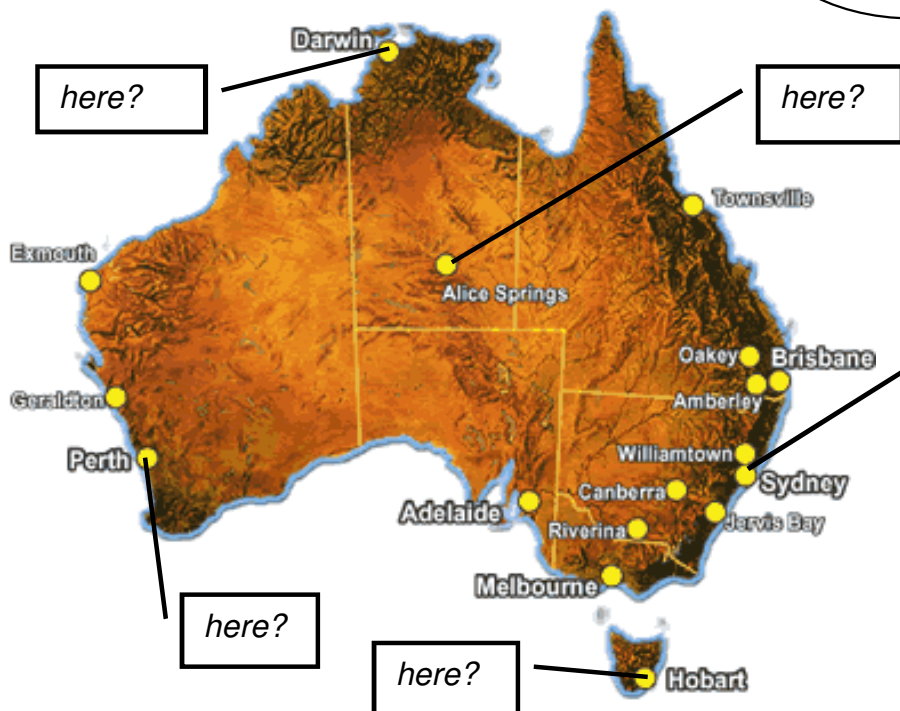
- This competition is open to all students up to and including year 9s.
- Entries for Class Awards are open only to mainstream classes (i.e. not gifted/talented groups) of at least 20 students, where all enrolled students sit for the test.
- There is **no restriction** on the number of times students may do the appropriate test.
- Performance on the Class Awards test pertains to **any single sitting** of the test and all students' scores must be used to calculate the percentage of the class who score 100%.
- If, after submitting an entry, a subsequent test(s) produces a better score (individual or class) another entry may be submitted. Entries will be accepted any time up to the closing date.
- Individuals and classes may enter the category for their year level as well as any other categories for higher year levels (separate entry forms will need to be submitted if entering in more than one category).
- Only teachers may fill out and submit entry forms.
- Entries will only be accepted if submitted on the form opposite.
- **Do not** send the tests themselves. The entry form is all that is required.
- Winners will be sent Intelligent Australia *Certificates of Merit*.



Where are Australia's smartest Times Tables kids.....



.....and classes?



Or somewhere else?

Intelligent Australia's National Times Tables Championships

Individual Awards		
Category	Description	Test
IA9	Year 9 student who scores 100% in fastest time	Advanced Tables Challenge <i>page 64</i>
IA8	Year 8 student who scores 100% in fastest time	Advanced Tables Challenge <i>page 64</i>
IA7	Year 7 student who scores 100% in fastest time	Senior Tables Challenge <i>page 65</i>
IA6	Year 6 student who scores 100% in fastest time	Senior Tables Challenge <i>page 65</i>
IA5	Year 5 student who scores 100% in fastest time	Intermediate Tables Challenge <i>page 66</i>
IA4	Year 4 student who scores 100% in fastest time	Intermediate Tables Challenge <i>page 66</i>
IA3	Year 3 student who scores 100% in fastest time	Junior Tables Challenge <i>page 67</i>
IA2	Year 2 student who scores 100% in fastest time	Junior Tables Challenge <i>page 67</i>
IA1	Year 1 student who scores 100% in fastest time	Junior Tables Challenge <i>page 67</i>

Class Awards		
CA9	Yr 9 class of 20+ students with highest % of class scoring 100%	Advanced Tables Challenge <i>page 64</i>
CA8	Yr 8 class of 20+ students with highest % of class scoring 100%	Advanced Tables Challenge <i>page 64</i>
CA7	Yr 7 class of 20+ students with highest % of class scoring 100%	Senior Tables Challenge <i>page 65</i>
CA6	Yr 6 class of 20+ students with highest % of class scoring 100%	Senior Tables Challenge <i>page 65</i>
CA5	Yr 5 class of 20+ students with highest % of class scoring 100%	Intermediate Tables Challenge <i>page 66</i>
CA4	Yr 4 class of 20+ students with highest % of class scoring 100%	Intermediate Tables Challenge <i>page 66</i>
CA3	Yr 3 class of 20+ students with highest % of class scoring 100%	Junior Tables Challenge <i>page 67</i>
CA2	Yr 2 class of 20+ students with highest % of class scoring 100%	Junior Tables Challenge <i>page 67</i>
CA1	Yr 1 class of 20+ students with highest % of class scoring 100%	Junior Tables Challenge <i>page 67</i>

Individual *Category entered.....*

I hereby state that (print student's name).....
 scored 100% in the appropriate test in the time of.....

I (see below) certify that the above-named student completed the test with no prompting or assistance. The test has been checked and double-checked by me and found to contain no errors. Time was recorded accurately.

Class *Category entered.....*

I hereby state that.....% of the students in
 (print name of class)scored 100% in the appropriate test.

I (see below) certify that the above-named class completed the test with no prompting or assistance. Results have been checked and double-checked by me and found to contain no errors.

Teachers: Please fill in one or both of the above. Then complete details below.

Teacher's Name (print).....Signature.....

School's Name (print).....

School's Address (print).....

School's Tel. No. (incl' STD code).....

Post this form to:
 Intelligent Australia Productions PO Box 670 Hillarys WA 6923

Teachers' Notes

National Times Tables Championships

The Tests



These look challenging indeed.



True, but they also look like fun.

The tests begin on the opposite page and continue on following pages. They may be used for in-class challenges instead, or as well as for, entries in the NTTC.

NB the Junior Tables Challenge is identical to the Products test on pages 8 and the Tables-a-thon test on page 58.

Advanced Tables Challenge

Name

Date

1) $2 \times 9 \div 6 \times 9 =$

35) $3 \times 8 \div 4 \times 12 =$

68) $4 \times 9 \div 6 \times 8 =$

2) $5 \times 8 \div 10 \times 12 =$

36) $6 \times 6 \div 9 \times 11 =$

69) $7 \times 11 \div 7 \times 3 =$

3) $8 \times 3 \div 4 \times 6 =$

37) $9 \times 2 \div 6 \times 7 =$

70) $10 \times 12 \div 10 \times 8 =$

4) $11 \times 11 \div 11 \times 12 =$

38) $12 \times 2 \div 3 \times 12 =$

71) $12 \times 12 \div 12 \times 9 =$

5) $110 \div 11 \times 8 \div 10 =$

39) $120 \div 10 \times 4 \div 8 =$

72) $108 \div 9 \times 3 \div 4 =$

6) $66 \div 6 \times 4 \div 11 =$

40) $28 \div 7 \times 4 \div 8 =$

73) $16 \div 2 \times 9 \div 6 =$

7) $84 \div 12 \times 9 \div 9 =$

41) $72 \div 8 \times 4 \div 12 =$

74) $32 \div 4 \times 5 \div 4 =$

8) $96 \div 8 \times 4 \div 6 =$

42) $64 \div 8 \times 6 \div 12 =$

75) $60 \div 10 \times 3 \div 9 =$

9) $12 \times 6 \div 6 \div 4 =$

43) $8 \times 9 \div 12 \div 6 =$

76) $10 \times 4 \div 5 \div 2 =$

10) $3 \times 3 \times 6 \div 9 =$

44) $6 \times 2 \times 10 \div 12 =$

77) $4 \times 3 \times 6 \div 9 =$

11) $5 \times 2 \times 6 \div 10 =$

45) $4 \times 2 \times 6 \div 4 =$

78) $2 \times 2 \times 12 \div 8 =$

12) $3 \times 3 \times 12 \div 9 =$

46) $4 \times 3 \times 3 \div 9 =$

79) $2 \times 6 \times 3 \div 12 =$

13) $2 \times 4 \times 6 \div 12 =$

47) $2 \times 2 \times 10 \div 8 =$

80) $3 \times 2 \times 4 \div 8 =$

14) $121 \div 11 \times 3 \div 11 =$

48) $144 \div 12 \times 2 \div 8 =$

81) $100 \div 10 \times 6 \div 5 =$

15) $8 \div 2 \times 9 \div 3 =$

49) $80 \div 10 \times 6 \div 8 =$

82) $96 \div 8 \times 3 \div 4 =$

16) $2 \div 1 \times 9 \div 3 =$

50) $48 \div 6 \times 5 \div 10 =$

83) $64 \div 8 \times 6 \div 12 =$

17) $3 \times 6 \div 9 \times 11 =$

51) $4 \times 3 \div 4 \times 12 =$

84) $5 \times 8 \div 5 \times 8 =$

18) $9 \times 5 \div 9 \times 12 =$

52) $7 \times 9 \div 9 \times 6 =$

85) $7 \times 8 \div 7 \times 12 =$

19) $4 \times 3 \div 6 \times 12 =$

53) $5 \times 8 \div 4 \times 7 =$

86) $11 \times 12 \div 11 \times 8 =$

20) $8 \times 3 \div 6 \times 7 =$

54) $5 \times 12 \div 10 \times 7 =$

87) $6 \times 6 \div 4 \times 7 =$

21) $144 \div 12 \times 3 \div 9 =$

55) $96 \div 12 \times 5 \div 8 =$

88) $24 \div 8 \times 12 \div 9 =$

22) $80 \div 10 \times 8 \div 8 =$

56) $100 \div 10 \times 4 \div 5 =$

89) $90 \div 10 \times 4 \div 3 =$

23) $40 \div 5 \times 3 \div 6 =$

57) $120 \div 10 \times 3 \div 4 =$

90) $20 \div 5 \times 3 \div 2 =$

24) $8 \div 2 \times 10 \div 8 =$

58) $30 \div 10 \times 8 \div 12 =$

91) $20 \div 5 \times 10 \div 5 =$

25) $8 \times 9 \div 6 \times 12 =$

59) $9 \times 8 \div 12 \times 9 =$

92) $7 \times 9 \div 7 \times 12 =$

26) $10 \times 8 \div 10 \times 11 =$

60) $7 \times 7 \div 7 \times 12 =$

93) $6 \times 6 \div 3 \times 11 =$

27) $6 \times 11 \div 6 \times 11 =$

61) $8 \times 5 \div 10 \times 8 =$

94) $5 \times 12 \div 10 \times 9 =$

28) $8 \times 3 \div 4 \times 12 =$

62) $3 \times 8 \div 2 \times 10 =$

95) $7 \times 8 \div 7 \times 5 =$

29) $100 \div 10 \times 4 \div 8 =$

63) $72 \div 9 \times 3 \div 12 =$

96) $144 \div 12 \times 5 \div 10 =$

30) $60 \div 10 \times 3 \div 2 =$

64) $12 \div 4 \times 8 \div 12 =$

97) $40 \div 8 \times 3 \div 5 =$

31) $55 \div 5 \times 12 \div 11 =$

65) $70 \div 10 \times 4 \div 7 =$

98) $80 \div 8 \times 2 \div 4 =$

32) $40 \div 5 \times 5 \div 10 =$

66) $132 \div 11 \times 3 \div 9 =$

99) $64 \div 8 \times 3 \div 12 =$

33) $9 \times 9 \div 9 \times 7 =$

67) $4 \times 8 \div 4 \times 6 =$

100) $12 \times 8 \div 12 \times 3 =$

34) $4 \times 12 \div 6 \times 9 =$

Time

Score

Senior Tables Challenge

Name

Date

1 $6 \times 5 \div 3 =$	26 $11 \times 10 \div 10 =$	51 $6 \times 3 \div 2 =$	76 $12 \times 5 \div 6 =$
2 $72 \div 12 \times 9 =$	27 $132 \div 11 \times 7 =$	52 $132 \div 11 \times 9 =$	77 $121 \div 11 \times 10 =$
3 $4 \times 10 \div 4 =$	28 $6 \times 3 \div 9 =$	53 $2 \times 4 \div 8 =$	78 $10 \times 6 \div 5 =$
4 $144 \div 12 \times 11 =$	29 $96 \div 12 \times 4 =$	54 $96 \div 12 \times 5 =$	79 $72 \div 12 \times 8 =$
5 $2 \times 12 \div 8 =$	30 $2 \times 9 \div 3 =$	55 $4 \times 10 \div 8 =$	80 $4 \times 6 \div 8 =$
6 $108 \div 12 \times 9 =$	31 $6 \times 10 \div 5 =$	56 $84 \div 12 \times 3 =$	81 $108 \div 12 \times 6 =$
7 $7 \times 8 \div 7 =$	32 $72 \div 6 \times 9 =$	57 $10 \times 4 \div 5 =$	82 $6 \times 6 \div 9 =$
8 $96 \div 12 \times 11 =$	33 $4 \times 5 \div 2 =$	58 $63 \div 9 \times 6 =$	83 $132 \div 11 \times 10 =$
9 $10 \times 2 \div 4 =$	34 $144 \div 12 \times 10 =$	59 $7 \times 3 \div 7 =$	84 $3 \times 8 \div 12 =$
10 $84 \div 12 \times 9 =$	35 $2 \times 6 \div 4 =$	60 $81 \div 9 \times 8 =$	85 $84 \div 12 \times 8 =$
11 $12 \times 3 \div 6 =$	36 $121 \div 11 \times 12 =$	61 $12 \times 5 \div 10 =$	86 $12 \times 11 \div 12 =$
12 $72 \div 9 \times 7 =$	37 $7 \times 6 \div 7 =$	62 $64 \div 8 \times 3 =$	87 $144 \div 12 \times 9 =$
13 $3 \times 8 \div 2 =$	38 $108 \div 12 \times 8 =$	63 $3 \times 4 \div 6 =$	88 $11 \times 10 \div 10 =$
14 $84 \div 12 \times 4 =$	39 $10 \times 3 \div 6 =$	64 $96 \div 12 \times 7 =$	89 $121 \div 11 \times 5 =$
15 $11 \times 8 \div 8 =$	40 $144 \div 12 \times 8 =$	65 $9 \times 4 \div 3 =$	90 $6 \times 12 \div 9 =$
16 $132 \div 11 \times 11 =$	41 $12 \times 4 \div 6 =$	66 $108 \div 12 \times 7 =$	91 $54 \div 9 \times 8 =$
17 $9 \times 2 \div 3 =$	42 $121 \div 11 \times 4 =$	67 $5 \times 4 \div 10 =$	92 $7 \times 4 \div 7 =$
18 $54 \div 9 \times 7 =$	43 $9 \times 8 \div 9 =$	68 $108 \div 12 \times 3 =$	93 $84 \div 12 \times 5 =$
19 $5 \times 8 \div 4 =$	44 $84 \div 12 \times 6 =$	69 $8 \times 4 \div 8 =$	94 $8 \times 8 \div 8 =$
20 $144 \div 12 \times 6 =$	45 $5 \times 6 \div 10 =$	70 $144 \div 12 \times 7 =$	95 $96 \div 12 \times 6 =$
21 $8 \times 3 \div 12 =$	46 $64 \div 8 \times 4 =$	71 $4 \times 3 \div 2 =$	96 $2 \times 10 \div 5 =$
22 $63 \div 7 \times 3 =$	47 $8 \times 2 \div 4 =$	72 $72 \div 6 \times 8 =$	97 $108 \div 12 \times 5 =$
23 $4 \times 10 \div 5 =$	48 $96 \div 12 \times 9 =$	73 $6 \times 3 \div 9 =$	98 $12 \times 6 \div 8 =$
24 $84 \div 12 \times 7 =$	49 $4 \times 6 \div 8 =$	74 $96 \div 12 \times 8 =$	99 $132 \div 11 \times 10 =$
25 $6 \times 8 \div 4 =$	50 $108 \div 12 \times 4 =$	75 $12 \times 2 \div 8 =$	100 $4 \times 6 \div 3 =$

Time Taken

Score

Intermediate Tables Challenge

Name.....

Date.....

1	$60 \div 12 =$	26	$2 \times 5 =$	51	$15 \div 5 =$	76	$12 \times 11 =$
2	$2 \times 4 =$	27	$12 \times 9 =$	52	$4 \times 8 =$	77	$54 \div 6 =$
3	$66 \div 6 =$	28	$2 \times 2 =$	53	$4 \times 12 =$	78	$10 \div 2 =$
4	$4 \times 2 =$	29	$12 \times 6 =$	54	$4 \times 5 =$	79	$77 \div 7 =$
5	$25 \div 5 =$	30	$6 \times 5 =$	55	$2 \times 3 =$	80	$35 \div 5 =$
6	$9 \div 3 =$	31	$2 \times 12 =$	56	$8 \times 5 =$	81	$40 \div 8 =$
7	$81 \div 9 =$	32	$45 \div 5 =$	57	$6 \div 2 =$	82	$84 \div 12 =$
8	$99 \div 11 =$	33	$24 \div 8 =$	58	$45 \div 9 =$	83	$8 \times 9 =$
9	$2 \times 8 =$	34	$12 \div 4 =$	59	$121 \div 11 =$	84	$4 \times 3 =$
10	$22 \div 2 =$	35	$36 \div 12 =$	60	$8 \times 11 =$	85	$63 \div 7 =$
11	$8 \times 7 =$	36	$15 \div 3 =$	61	$63 \div 9 =$	86	$6 \times 2 =$
12	$72 \div 8 =$	37	$6 \times 9 =$	62	$8 \times 6 =$	87	$6 \times 3 =$
13	$18 \div 2 =$	38	$77 \div 11 =$	63	$132 \div 12 =$	88	$4 \times 9 =$
14	$55 \div 5 =$	39	$6 \times 7 =$	64	$12 \times 2 =$	89	$6 \times 11 =$
15	$18 \div 6 =$	40	$99 \div 9 =$	65	$30 \div 6 =$	90	$4 \times 4 =$
16	$8 \times 12 =$	41	$8 \times 8 =$	66	$55 \div 11 =$	91	$4 \times 6 =$
17	$12 \times 7 =$	42	$6 \times 6 =$	67	$20 \div 4 =$	92	$6 \times 8 =$
18	$56 \div 8 =$	43	$6 \times 4 =$	68	$49 \div 7 =$	93	$14 \div 2 =$
19	$4 \times 7 =$	44	$21 \div 3 =$	69	$27 \div 9 =$	94	$4 \times 11 =$
20	$8 \times 2 =$	45	$12 \times 8 =$	70	$8 \times 3 =$	95	$35 \div 7 =$
21	$88 \div 8 =$	46	$12 \times 12 =$	71	$28 \div 4 =$	96	$8 \times 4 =$
22	$33 \div 11 =$	47	$22 \div 11 =$	72	$2 \times 6 =$	97	$6 \times 12 =$
23	$36 \div 4 =$	48	$42 \div 6 =$	73	$33 \div 3 =$	98	$21 \div 7 =$
24	$27 \div 3 =$	49	$44 \div 4 =$	74	$108 \div 12 =$	99	$12 \times 3 =$
25	$2 \times 9 =$	50	$2 \times 7 =$	75	$12 \times 4 =$	100	$12 \times 5 =$

Time Taken

Score

Junior Tables Challenge

Name.....

Date.....

1 $5 \times 12 =$ 26 $2 \times 5 =$ 51 $3 \times 5 =$ 76 $12 \times 11 =$

2 $2 \times 4 =$ 27 $12 \times 9 =$ 52 $4 \times 8 =$ 77 $9 \times 6 =$

3 $11 \times 6 =$ 28 $2 \times 2 =$ 53 $4 \times 12 =$ 78 $5 \times 2 =$

4 $4 \times 2 =$ 29 $12 \times 6 =$ 54 $4 \times 5 =$ 79 $11 \times 7 =$

5 $5 \times 5 =$ 30 $6 \times 5 =$ 55 $2 \times 3 =$ 80 $7 \times 5 =$

6 $3 \times 3 =$ 31 $2 \times 12 =$ 56 $8 \times 5 =$ 81 $5 \times 8 =$

7 $9 \times 9 =$ 32 $9 \times 5 =$ 57 $3 \times 2 =$ 82 $7 \times 12 =$

8 $9 \times 11 =$ 33 $3 \times 8 =$ 58 $5 \times 9 =$ 83 $8 \times 9 =$

9 $2 \times 8 =$ 34 $3 \times 4 =$ 59 $11 \times 11 =$ 84 $4 \times 3 =$

10 $11 \times 2 =$ 35 $6 \times 12 =$ 60 $8 \times 11 =$ 85 $9 \times 7 =$

11 $8 \times 7 =$ 36 $5 \times 3 =$ 61 $7 \times 9 =$ 86 $6 \times 2 =$

12 $9 \times 8 =$ 37 $6 \times 9 =$ 62 $8 \times 6 =$ 87 $6 \times 3 =$

13 $9 \times 2 =$ 38 $7 \times 11 =$ 63 $11 \times 12 =$ 88 $4 \times 9 =$

14 $11 \times 5 =$ 39 $6 \times 7 =$ 64 $12 \times 2 =$ 89 $6 \times 11 =$

15 $3 \times 6 =$ 40 $11 \times 9 =$ 65 $5 \times 6 =$ 90 $4 \times 4 =$

16 $8 \times 12 =$ 41 $8 \times 8 =$ 66 $5 \times 11 =$ 91 $4 \times 6 =$

17 $12 \times 7 =$ 42 $6 \times 6 =$ 67 $5 \times 4 =$ 92 $6 \times 8 =$

18 $7 \times 8 =$ 43 $6 \times 4 =$ 68 $7 \times 7 =$ 93 $7 \times 2 =$

19 $4 \times 7 =$ 44 $7 \times 3 =$ 69 $3 \times 9 =$ 94 $4 \times 11 =$

20 $8 \times 2 =$ 45 $12 \times 8 =$ 70 $8 \times 3 =$ 95 $5 \times 7 =$

21 $11 \times 8 =$ 46 $12 \times 12 =$ 71 $7 \times 4 =$ 96 $8 \times 4 =$

22 $3 \times 11 =$ 47 $2 \times 11 =$ 72 $2 \times 6 =$ 97 $3 \times 12 =$

23 $9 \times 4 =$ 48 $7 \times 6 =$ 73 $11 \times 3 =$ 98 $3 \times 7 =$

24 $9 \times 3 =$ 49 $11 \times 4 =$ 74 $9 \times 12 =$ 99 $12 \times 3 =$

25 $2 \times 9 =$ 50 $2 \times 7 =$ 75 $12 \times 4 =$ 100 $12 \times 5 =$

Time Taken

Score

Answers

Advanced Tables Challenge

Name..... Date.....

1) $2 \times 9 \div 6 \times 9 = 27$

35) $3 \times 8 \div 4 \times 12 = 72$

68) $4 \times 9 \div 6 \times 8 = 48$

2) $5 \times 8 \div 10 \times 12 = 48$

36) $6 \times 6 \div 9 \times 11 = 44$

69) $7 \times 11 \div 7 \times 3 = 33$

3) $8 \times 3 \div 4 \times 6 = 36$

37) $9 \times 2 \div 6 \times 7 = 21$

70) $10 \times 12 \div 10 \times 8 = 96$

4) $11 \times 11 \div 11 \times 12 = 132$

38) $12 \times 2 \div 3 \times 12 = 96$

71) $12 \times 12 \div 12 \times 9 = 108$

5) $110 \div 11 \times 8 \div 10 = 8$

39) $120 \div 10 \times 4 \div 8 = 6$

72) $108 \div 9 \times 3 \div 4 = 9$

6) $66 \div 6 \times 4 \div 11 = 4$

40) $28 \div 7 \times 4 \div 8 = 2$

73) $16 \div 2 \times 9 \div 6 = 12$

7) $84 \div 12 \times 9 \div 9 = 7$

41) $72 \div 8 \times 4 \div 12 = 3$

74) $32 \div 4 \times 5 \div 4 = 10$

8) $96 \div 8 \times 4 \div 6 = 8$

42) $64 \div 8 \times 6 \div 12 = 4$

75) $60 \div 10 \times 3 \div 9 = 2$

9) $12 \times 6 \div 6 \div 4 = 3$

43) $8 \times 9 \div 12 \div 6 = 1$

76) $10 \times 4 \div 5 \div 2 = 4$

10) $3 \times 3 \times 6 \div 9 = 6$

44) $6 \times 2 \times 10 \div 12 = 10$

77) $4 \times 3 \times 6 \div 9 = 8$

11) $5 \times 2 \times 6 \div 10 = 6$

45) $4 \times 2 \times 6 \div 4 = 12$

78) $2 \times 2 \times 12 \div 8 = 6$

12) $3 \times 3 \times 12 \div 9 = 12$

46) $4 \times 3 \times 3 \div 9 = 4$

79) $2 \times 6 \times 3 \div 12 = 3$

13) $2 \times 4 \times 6 \div 12 = 4$

47) $2 \times 2 \times 10 \div 8 = 5$

80) $3 \times 2 \times 4 \div 8 = 3$

14) $121 \div 11 \times 3 \div 11 = 3$

48) $144 \div 12 \times 2 \div 8 = 3$

81) $100 \div 10 \times 6 \div 5 = 12$

15) $8 \div 2 \times 9 \div 3 = 12$

49) $80 \div 10 \times 6 \div 8 = 6$

82) $96 \div 8 \times 3 \div 4 = 9$

16) $2 \div 1 \times 9 \div 3 = 6$

50) $48 \div 6 \times 5 \div 10 = 4$

83) $64 \div 8 \times 6 \div 12 = 4$

17) $3 \times 6 \div 9 \times 11 = 22$

51) $4 \times 3 \div 4 \times 12 = 36$

84) $5 \times 8 \div 5 \times 8 = 64$

18) $9 \times 5 \div 9 \times 12 = 60$

52) $7 \times 9 \div 9 \times 6 = 42$

85) $7 \times 8 \div 7 \times 12 = 96$

19) $4 \times 3 \div 6 \times 12 = 24$

53) $5 \times 8 \div 4 \times 7 = 70$

86) $11 \times 12 \div 11 \times 8 = 96$

20) $8 \times 3 \div 6 \times 7 = 28$

54) $5 \times 12 \div 10 \times 7 = 42$

87) $6 \times 6 \div 4 \times 7 = 63$

21) $144 \div 12 \times 3 \div 9 = 4$

55) $96 \div 12 \times 5 \div 8 = 5$

88) $24 \div 8 \times 12 \div 9 = 4$

22) $80 \div 10 \times 8 \div 8 = 10$

56) $100 \div 10 \times 4 \div 5 = 8$

89) $90 \div 10 \times 4 \div 3 = 12$

23) $40 \div 5 \times 3 \div 6 = 4$

57) $120 \div 10 \times 3 \div 4 = 9$

90) $20 \div 5 \times 3 \div 2 = 6$

24) $8 \div 2 \times 10 \div 8 = 5$

58) $30 \div 10 \times 8 \div 12 = 2$

91) $20 \div 5 \times 10 \div 5 = 8$

25) $8 \times 9 \div 6 \times 12 = 144$

59) $9 \times 8 \div 12 \times 9 = 54$

92) $7 \times 9 \div 7 \times 12 = 108$

26) $10 \times 8 \div 10 \times 11 = 88$

60) $7 \times 7 \div 7 \times 12 = 84$

93) $6 \times 6 \div 3 \times 11 = 132$

27) $6 \times 11 \div 6 \times 11 = 121$

61) $8 \times 5 \div 10 \times 8 = 32$

94) $5 \times 12 \div 10 \times 9 = 54$

28) $8 \times 3 \div 4 \times 12 = 72$

62) $3 \times 8 \div 2 \times 10 = 120$

95) $7 \times 8 \div 7 \times 5 = 40$

29) $100 \div 10 \times 4 \div 8 = 5$

63) $72 \div 9 \times 3 \div 12 = 2$

96) $144 \div 12 \times 5 \div 10 = 6$

30) $60 \div 10 \times 3 \div 2 = 9$

64) $12 \div 4 \times 8 \div 12 = 2$

97) $40 \div 8 \times 3 \div 5 = 3$

31) $55 \div 5 \times 12 \div 11 = 12$

65) $70 \div 10 \times 4 \div 7 = 4$

98) $80 \div 8 \times 2 \div 4 = 5$

32) $40 \div 5 \times 5 \div 10 = 4$

66) $132 \div 11 \times 3 \div 9 = 4$

99) $64 \div 8 \times 3 \div 12 = 2$

33) $9 \times 9 \div 9 \times 7 = 63$

67) $4 \times 8 \div 4 \times 6 = 48$

100) $12 \times 8 \div 12 \times 3 = 24$

34) $4 \times 12 \div 6 \times 9 = 72$

Answers

Senior Tables Challenge

Name..... Date.....

1 $6 \times 5 \div 3 = 10$	26 $11 \times 10 \div 10 = 11$	51 $6 \times 3 \div 2 = 9$	76 $12 \times 5 \div 6 = 10$
2 $72 \div 12 \times 9 = 54$	27 $132 \div 11 \times 7 = 84$	52 $132 \div 11 \times 9 = 108$	77 $121 \div 11 \times 10 = 110$
3 $4 \times 10 \div 4 = 10$	28 $6 \times 3 \div 9 = 2$	53 $2 \times 4 \div 8 = 1$	78 $10 \times 6 \div 5 = 12$
4 $144 \div 12 \times 11 = 132$	29 $96 \div 12 \times 4 = 32$	54 $96 \div 12 \times 5 = 40$	79 $72 \div 12 \times 8 = 48$
5 $2 \times 12 \div 8 = 3$	30 $2 \times 9 \div 3 = 6$	55 $4 \times 10 \div 8 = 5$	80 $4 \times 6 \div 8 = 3$
6 $108 \div 12 \times 9 = 81$	31 $6 \times 10 \div 5 = 12$	56 $84 \div 12 \times 3 = 21$	81 $108 \div 12 \times 6 = 54$
7 $7 \times 8 \div 7 = 8$	32 $72 \div 6 \times 9 = 108$	57 $10 \times 4 \div 5 = 8$	82 $6 \times 6 \div 9 = 4$
8 $96 \div 12 \times 11 = 88$	33 $4 \times 5 \div 2 = 10$	58 $63 \div 9 \times 6 = 42$	83 $132 \div 11 \times 10 = 120$
9 $10 \times 2 \div 4 = 5$	34 $144 \div 12 \times 10 = 120$	59 $7 \times 3 \div 7 = 3$	84 $3 \times 8 \div 12 = 2$
10 $84 \div 12 \times 9 = 63$	35 $2 \times 6 \div 4 = 3$	60 $81 \div 9 \times 8 = 72$	85 $84 \div 12 \times 8 = 56$
11 $12 \times 3 \div 6 = 6$	36 $121 \div 11 \times 12 = 132$	61 $12 \times 5 \div 10 = 6$	86 $12 \times 11 \div 12 = 11$
12 $72 \div 9 \times 7 = 56$	37 $7 \times 6 \div 7 = 6$	62 $64 \div 8 \times 3 = 24$	87 $144 \div 12 \times 9 = 108$
13 $3 \times 8 \div 2 = 12$	38 $108 \div 12 \times 8 = 72$	63 $3 \times 4 \div 6 = 2$	88 $11 \times 10 \div 10 = 11$
14 $84 \div 12 \times 4 = 28$	39 $10 \times 3 \div 6 = 5$	64 $96 \div 12 \times 7 = 56$	89 $121 \div 11 \times 5 = 55$
15 $11 \times 8 \div 8 = 11$	40 $144 \div 12 \times 8 = 96$	65 $9 \times 4 \div 3 = 12$	90 $6 \times 12 \div 9 = 8$
16 $132 \div 11 \times 11 = 132$	41 $12 \times 4 \div 6 = 8$	66 $108 \div 12 \times 7 = 63$	91 $54 \div 9 \times 8 = 48$
17 $9 \times 2 \div 3 = 6$	42 $121 \div 11 \times 4 = 44$	67 $5 \times 4 \div 10 = 2$	92 $7 \times 4 \div 7 = 4$
18 $54 \div 9 \times 7 = 42$	43 $9 \times 8 \div 9 = 8$	68 $108 \div 12 \times 3 = 27$	93 $84 \div 12 \times 5 = 35$
19 $5 \times 8 \div 4 = 10$	44 $84 \div 12 \times 6 = 42$	69 $8 \times 4 \div 8 = 4$	94 $8 \times 8 \div 8 = 8$
20 $144 \div 12 \times 6 = 72$	45 $5 \times 6 \div 10 = 3$	70 $144 \div 12 \times 7 = 84$	95 $96 \div 12 \times 6 = 48$
21 $8 \times 3 \div 12 = 2$	46 $64 \div 8 \times 4 = 32$	71 $4 \times 3 \div 2 = 6$	96 $2 \times 10 \div 5 = 4$
22 $63 \div 7 \times 3 = 27$	47 $8 \times 2 \div 4 = 4$	72 $72 \div 6 \times 8 = 96$	97 $108 \div 12 \times 5 = 45$
23 $4 \times 10 \div 5 = 8$	48 $96 \div 12 \times 9 = 72$	73 $6 \times 3 \div 9 = 2$	98 $12 \times 6 \div 8 = 9$
24 $84 \div 12 \times 7 = 49$	49 $4 \times 6 \div 8 = 3$	74 $96 \div 12 \times 8 = 64$	99 $132 \div 11 \times 10 = 120$
25 $6 \times 8 \div 4 = 12$	50 $108 \div 12 \times 4 = 36$	75 $12 \times 2 \div 8 = 3$	100 $4 \times 6 \div 3 = 8$

