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
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ISBN 0-9756975-2-8

IAP 004

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This book is dedicated to Pascal.

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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.
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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).

Times Tables Practice Tips

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.

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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 ÷ then 10 x	*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*					

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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 <u>products</u> 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.

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*

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Times Tables
Products

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

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

Time Allowed Time Taken Score

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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 ÷ 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.

Suggested Time Allowed

Test Description	Year Level					
	3	4	5	6	7	8/9
All tables. 100 questions. (quotients only)	*9 mins*	*8 mins*	*7mins*	*6 mins*	*5 mins*	*4 mins*

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Times Tables

Quotients

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

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

Time Allowed Time Taken Score

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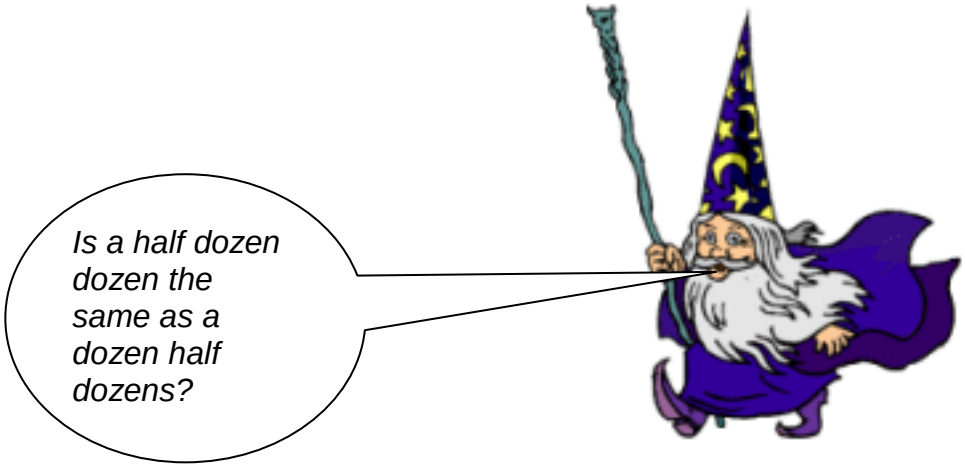
Teachers' Notes



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.

Suggested Time Allowed

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

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Half a Dozen

Write the products in the egg shapes.

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Teachers' Notes

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.

Suggested Time Allowed

Test Description	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*

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

Testing 7 Times Tables

3 7 6 4 5 11 9 2 8 12

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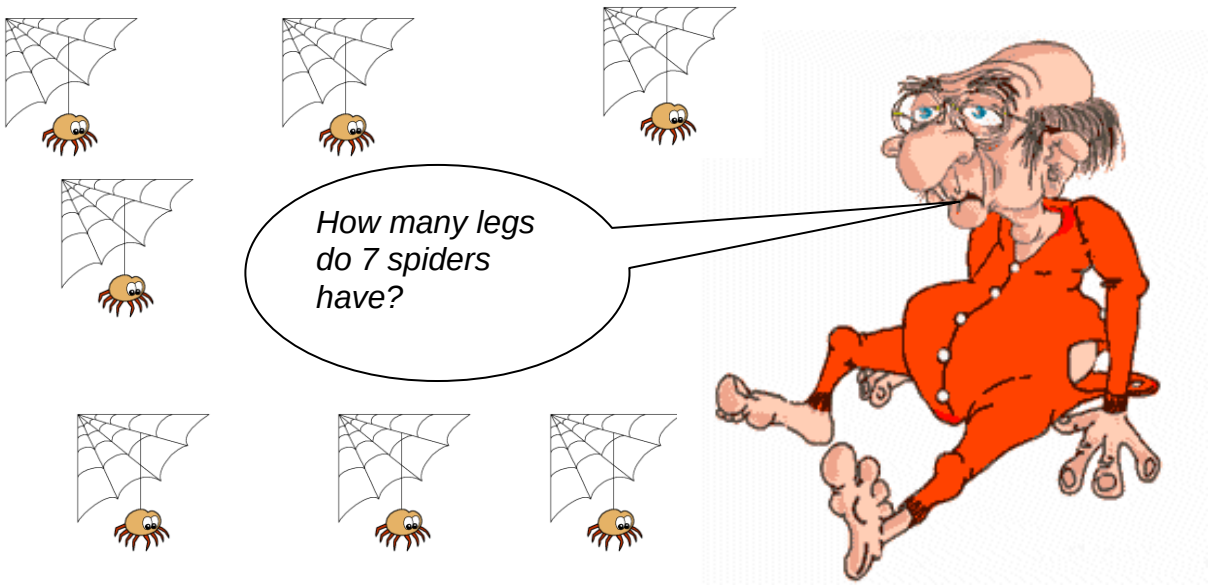
Teachers' Notes



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

Suggested Time Allowed

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

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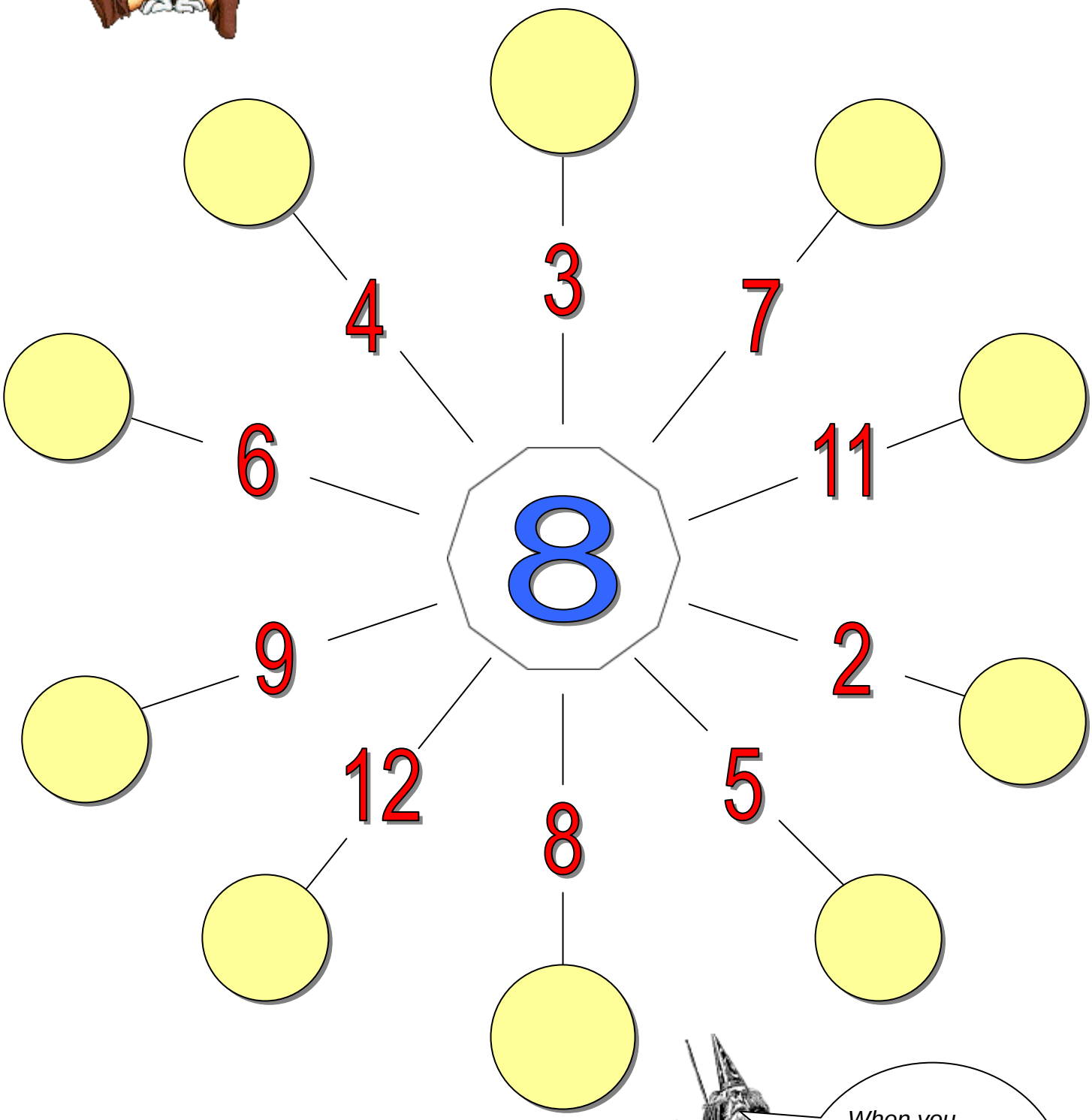

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Teachers' Notes

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*

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Tables Mix

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

Time Allowed Time Taken Score

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

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Times Tables
x 2, x 4, x 8

1 6 x 8

2 4 x 8

3 7 x 4

4 8 x 2

5 12 x 4

6 9 x 4

7 3 x 8

8 7 x 2

9 11 x 4

10 5 x 8

11 2 x 2

12 8 x 4

13 3 x 2

14 2 x 8

15 9 x 2

16 7 x 8

17 4 x 4

18 2 x 4

19 5 x 2

20 11 x 2

21 11 x 8

22 4 x 2

23 9 x 8

24 5 x 4

25 8 x 8

26 6 x 4

27 3 x 4

28 12 x 2

29 12 x 8

30 6 x 2

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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 x 3 = 21** **2 + 1 = 3**
8 x 6 = 48 **4 + 8 = 12**
8 x 9 = 72 **7 + 2 = 9**

Suggested Time Allowed

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

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Times Tables
x 3, x 6, x 9

1 6 x 9

2 5 x 3

3 8 x 6

4 11 x 6

5 6 x 3

6 12 x 6

7 2 x 3

8 4 x 9

9 9 x 6

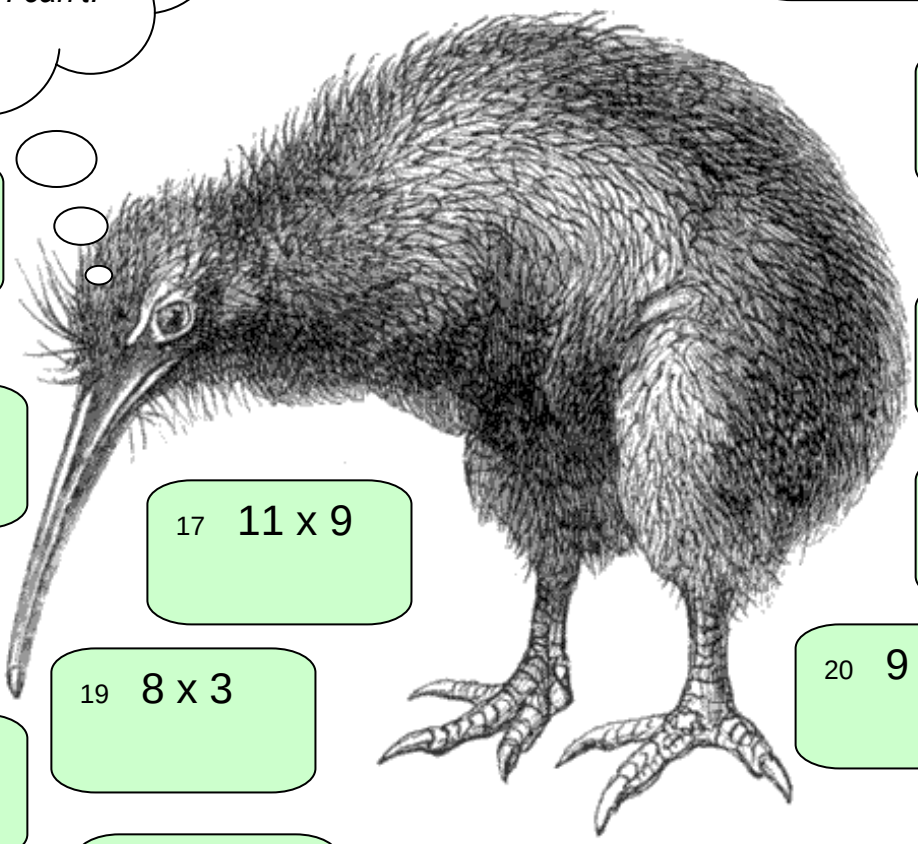
10 3 x 3

I can't do times tables but at least I can fly.

Wait on…no I can't.

11 4 x 3

12 2 x 9



13 7 x 6

14 3 x 9

15 5 x 9

16 4 x 6

17 11 x 9

18 12 x 3

19 8 x 3

20 9 x 9

21 5 x 6

22 6 x 6

23 9 x 3

24 3 x 6

25 8 x 9

26 11 x 3

28 2 x 6

27 7 x 3

29 7 x 9

30 12 x 9

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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.

Suggested Time Allowed

Test Description	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*

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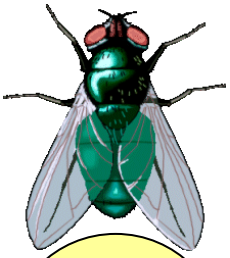
Fly By Nines

4

11



6

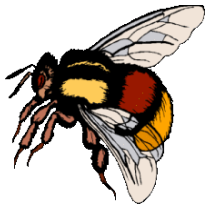
Multiply each fly's number by 9.

9

2

5

3



9

7

8

12

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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!)

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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**

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Teachers' Notes

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.

Suggested Time Allowed

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

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Times Tables
12s, 7s 'n 11s

3 x 11
5 x 7
6 x 11
2 x 7
2 x 12
5 x 11
4 x 12
4 x 11
2 x 11
3 x 7
4 x 7
5 x 12
6 x 12
7 x 11
12 x 11
8 x 11
6 x 7
12 x 12
9 x 12
8 x 7
9 x 7
8 x 12
9 x 11
11 x 11
11 x 12
11 x 7
3 x 12
12 x 7
7 x 7
7 x 12

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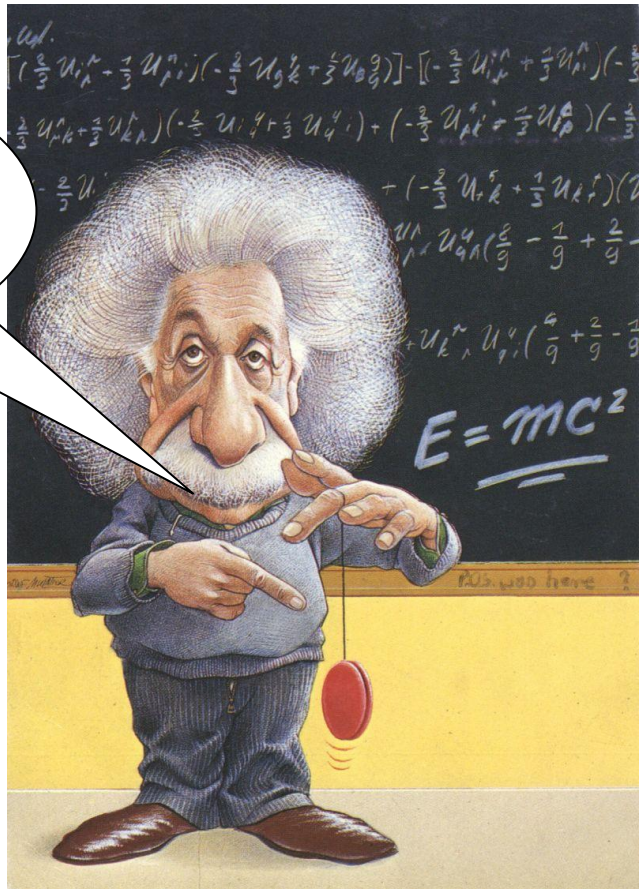
Teachers' Notes

The Ultimate Times Tables Challenge



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.*

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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

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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).**

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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																																	
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10																																	
5																																	
Date ➔																																	

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

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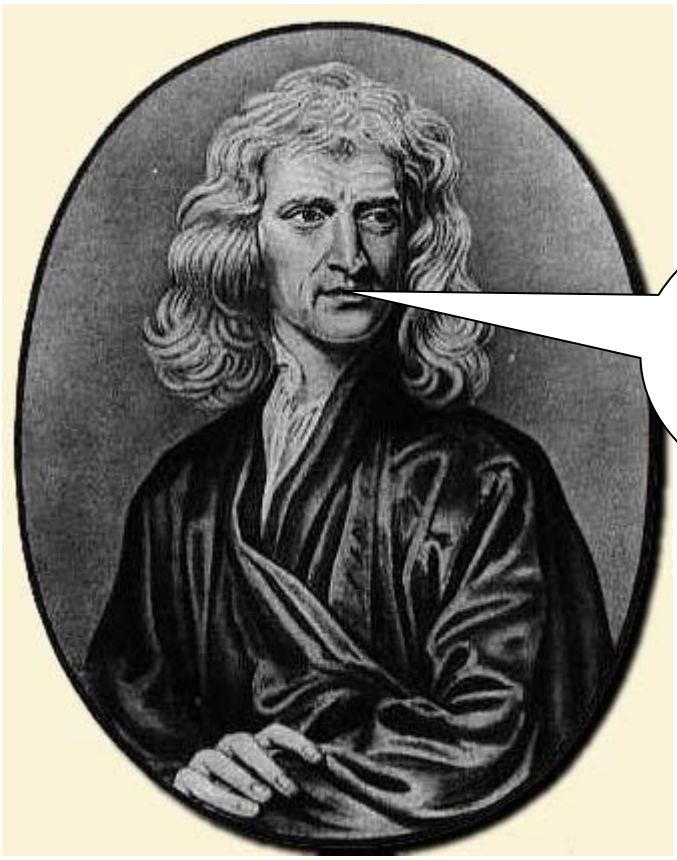
Teachers' Notes



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.

Suggested Time Allowed

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

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12 Times Tables

4 x 12 =

9 x 12 =

5 x 12 =

6 x 12 =

3 x 12 =

2 x 12 =

11 x 12 =

8 x 12 =

12 x 12 =

7 x 12 =

Practise the divisions too..... *eg 132 ÷ 12 = 11*

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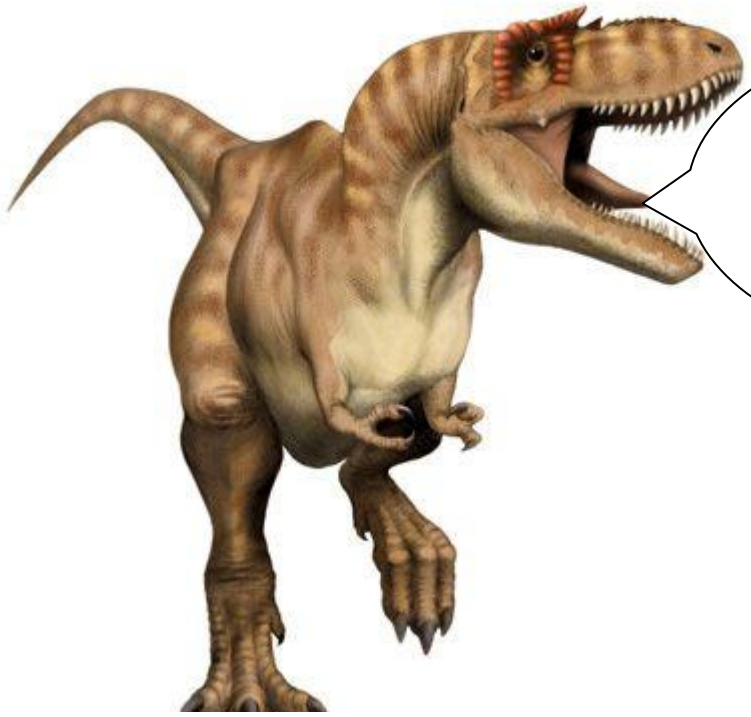
Teachers' Notes



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 <u>any</u> 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					
10 Divisions followed by 10 Multiplications.	**3**	**4**	**5**	**6**	**7**	**8/9**
	4 m 30s	*4 mins*	*3 m 30s*	*3 mins*	*2 m 30s*	*2 mins*

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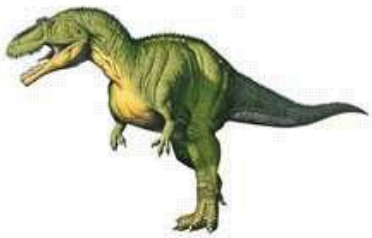
Dino Smart

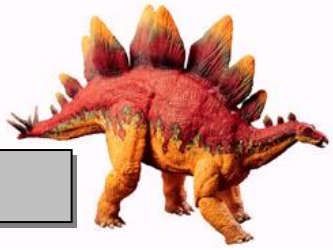
j) 54 ÷ 9 =



a) 27 ÷ 9 =

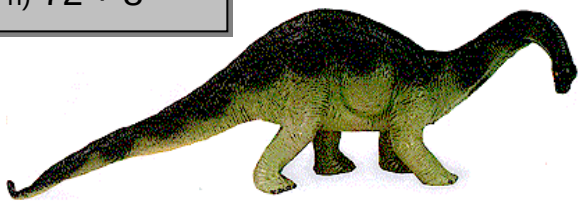
b) 48 ÷ 12 =

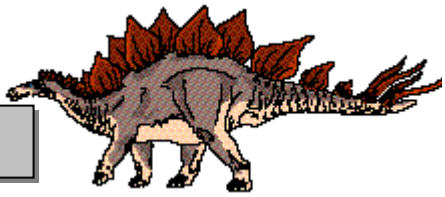
i) 132 ÷ 12 =



c) 49 ÷ 7 =

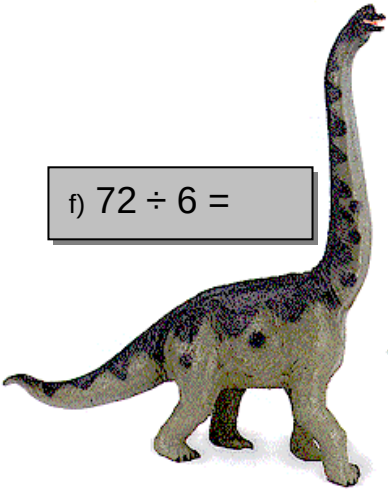
h) 72 ÷ 8 =



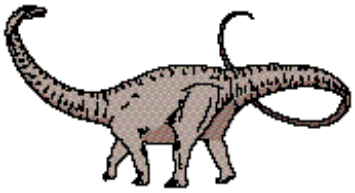


d) 22 ÷ 11 =

g) 56 ÷ 7 =



f) 72 ÷ 6 =



e) 20 ÷ 4 =

Now complete the following:

1. ..... *x a)* = ◯

2. ..... *x b)* = ◯

3. ..... *x c)* = ◯

4. ..... *x d)* = ◯

5. ..... *x e)* = ◯

6. ..... *x f)* = ◯

7. ..... *x g)* = ◯

8. ..... *x h)* = ◯

9. ..... *x i)* = ◯

10. ..... *x j)* = ◯

My Score ☐ *Time Taken* ☐

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Happy Twos

3 x 2

9 x 2

6 x 2

5 x 2

4 x 2

8 x 2

11 x 2

12 x 2

2 x 2

7 x 2

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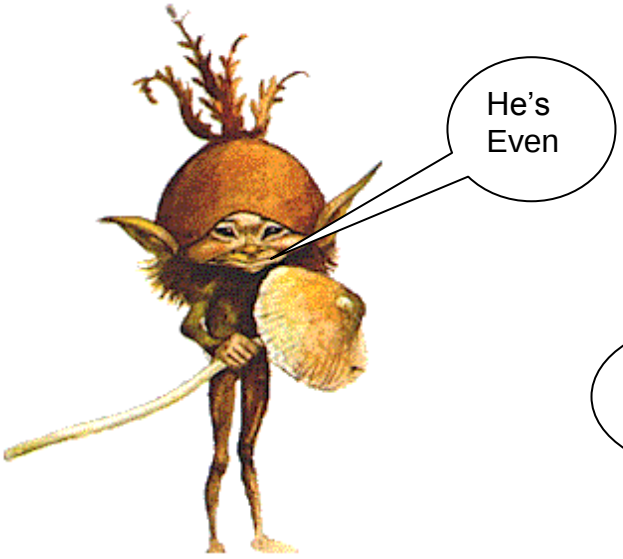
Mr Odd and Mr Even

3 x Tables

How quickly can you complete your 3 times tables?



5 x 3 =	6 ÷ 3 =
3 x 3 =	24 ÷ 3 =
11 x 3 =	18 ÷ 3 =
7 x 3 =	12 ÷ 3 =
9 x 3 =	30 ÷ 3 =

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

My Score _____ *My Time* _____

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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).

Suggested Time Allowed

Test Description	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*

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Ho Ho Ho

Santa's Tables Check-up

7 x 2 =

24 ÷ 2 =

6 x 2 =

18 ÷ 2 =

8 x 3 =

21 ÷ 3 =

11 x 3 =

36 ÷ 3 =

9 x 4 =

28 ÷ 4 =

4 x 4 =

24 ÷ 4 =

7 x 5 =

40 ÷ 5 =

11 x 5 =

60 ÷ 5 =

3 x 6 =

48 ÷ 6 =

9 x 6 =

42 ÷ 6 =

9 x 7 =

77 ÷ 7 =

3 x 7 =

42 ÷ 7 =

4 x 8 =

96 ÷ 8 =

7 x 8 =

48 ÷ 8 =

4 x 9 =

108 ÷ 9 =

8 x 9 =

54 ÷ 9 =

2 x 11 =

132 ÷ 11 =

11 x 11 =

44 ÷ 11 =

5 x 12 =

144 ÷ 12 =

3 x 12 =

84 ÷ 12 =

My Score

My Time

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Teachers' Notes

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

Suggested Time Allowed

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

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Quick Quotients

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

1) 54 ÷ 9 =
2) 66 ÷ 11 =
3) 32 ÷ 4 =
4) 56 ÷ 7 =
5) 30 ÷ 6 =
6) 88 ÷ 8 =
7) 48 ÷ 4 =
8) 24 ÷ 12 =
9) 36 ÷ 9 =
10) 24 ÷ 8 =
11) 36 ÷ 12 =
12) 55 ÷ 11 =
13) 18 ÷ 6 =
14) 77 ÷ 7 =
15) 28 ÷ 4 =
16) 33 ÷ 11 =
17) 108 ÷ 12 =
18) 48 ÷ 8 =
19) 96 ÷ 12 =
20) 72 ÷ 12 =
21) 99 ÷ 9 =
22) 16 ÷ 8 =
23) 21 ÷ 7 =
24) 64 ÷ 8 =
25) 16 ÷ 4 =
26) 99 ÷ 11 =
27) 54 ÷ 6 =
28) 42 ÷ 7 =
29) 81 ÷ 9 =
30) 72 ÷ 6 =
31) 108 ÷ 9 =
32) 132 ÷ 11 =
33) 72 ÷ 8 =
34) 14 ÷ 7 =
35) 20 ÷ 4 =
36) 63 ÷ 7 =
37) 22 ÷ 11 =
38) 36 ÷ 4 =
39) 12 ÷ 6 =
40) 27 ÷ 9 =
41) 96 ÷ 8 =
42) 36 ÷ 6 =
43) 77 ÷ 11 =
44) 44 ÷ 4 =
45) 144 ÷ 12 =
46) 72 ÷ 9 =
47) 84 ÷ 7 =
48) 132 ÷ 12 =
49) 32 ÷ 8 =
50) 49 ÷ 7 =
51) 44 ÷ 11 =
52) 48 ÷ 12 =
53) 48 ÷ 6 =
54) 18 ÷ 9 =
55) 56 ÷ 8 =
56) 12 ÷ 4 =
57) 88 ÷ 11 =
58) 84 ÷ 12 =
59) 40 ÷ 8 =
60) 28 ÷ 7 =
61) 60 ÷ 12 =
62) 45 ÷ 9 =
63) 66 ÷ 6 =
64) 24 ÷ 4 =
65) 35 ÷ 7 =
66) 24 ÷ 6 =
67) 121 ÷ 11 =
68) 63 ÷ 9 =
69) 42 ÷ 6 =
70) 8 ÷ 4 =

My Score

My Time

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Wise Owl Tables

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

35 ÷ 5 = **7**

12 ÷ 2 = **6**

7 x 6 = 42

24 ÷ 3 =

54 ÷ 9 =

x =

72 ÷ 8 =

21 ÷ 7 =

x =

66 ÷ 11 =

32 ÷ 8 =

x =

81 ÷ 9 =

144 ÷ 12 =

x =

45 ÷ 9 =

18 ÷ 3 =

x =

32 ÷ 4 =

72 ÷ 6 =

x =

36 ÷ 9 =

24 ÷ 3 =

x =

121 ÷ 11 =

60 ÷ 5 =

x =

88 ÷ 8 =

28 ÷ 4 =

x =

My Score

My Time

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Witchy Divide

27÷ 3

84÷ 7

36÷ 6

24÷ 8

32÷ 4

18÷ 3

22÷ 2

24÷ 6

66÷ 11

54÷ 9

44÷ 4

35÷ 5

72÷ 12

49÷ 7

40÷ 8

36÷ 9

33÷ 11

144÷ 12

132÷ 12

14÷ 2

35÷ 7

30÷ 6

121÷ 11

81÷ 9

72÷ 8

45÷ 5

24÷ 2

36÷ 4

21÷ 3

88÷ 8

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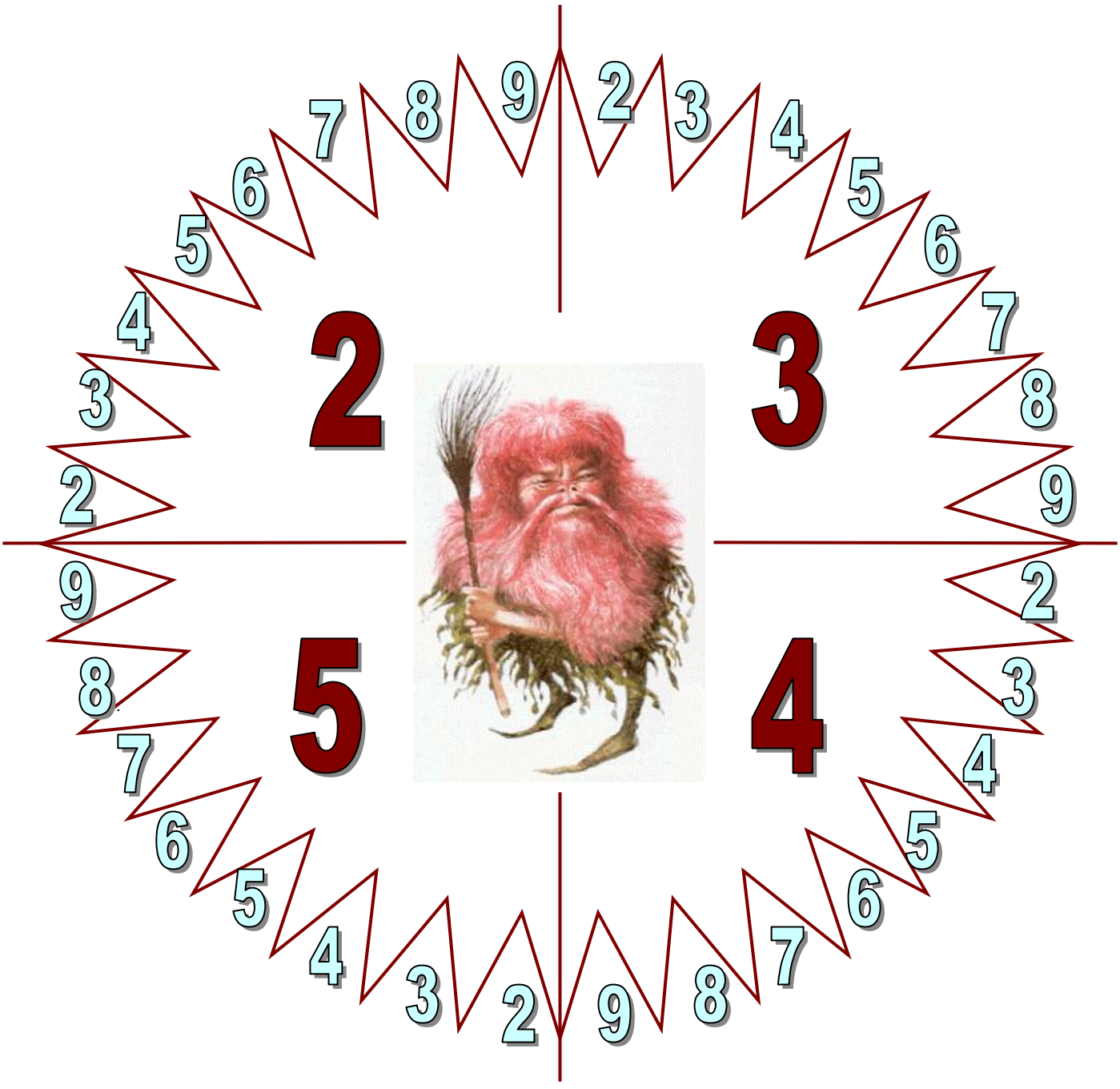
How well do you know the 'Little' Tables?

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



My score out of 32 is .....

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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 ÷ 8 = **8**

40

35 ÷ 7 = **5**

24 ÷ 8 =

27 ÷ 9 =

54 ÷ 9 =

49 ÷ 7 =

18 ÷ 9 =

63 ÷ 7 =

14 ÷ 7 =

48 ÷ 8 =

42 ÷ 7 =

72 ÷ 8 =

99 ÷ 9 =

96 ÷ 8 =

21 ÷ 7 =

28 ÷ 7 =

84 ÷ 7 =

108 ÷ 9 =

81 ÷ 9 =

16 ÷ 8 =

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Elves 'n Elevens

9 X 11

2 X 11

6 X 11

8 X 11

12 X 11

7 X 11

5 X 11

3 X 11

11 X 11

4 X 11

© Intelligent Australia Productions

Tables Test

Up to 10 x 10

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

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

Time Allowed ..... Time Taken .....

Score .....

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Tables Test

Up to 100 ÷ 10

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

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

Time Allowed ..... Time Taken .....

Score .....

© Intelligent Australia Productions

Tables Test

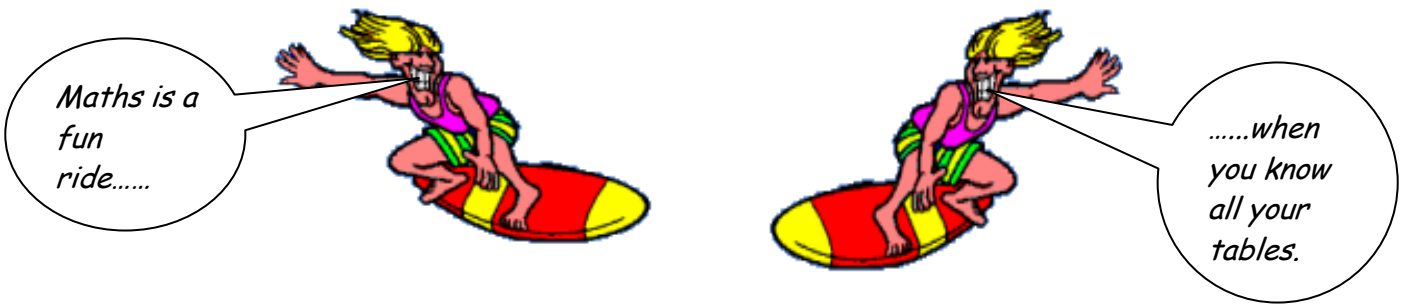
Up to 12 x 12

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 .....



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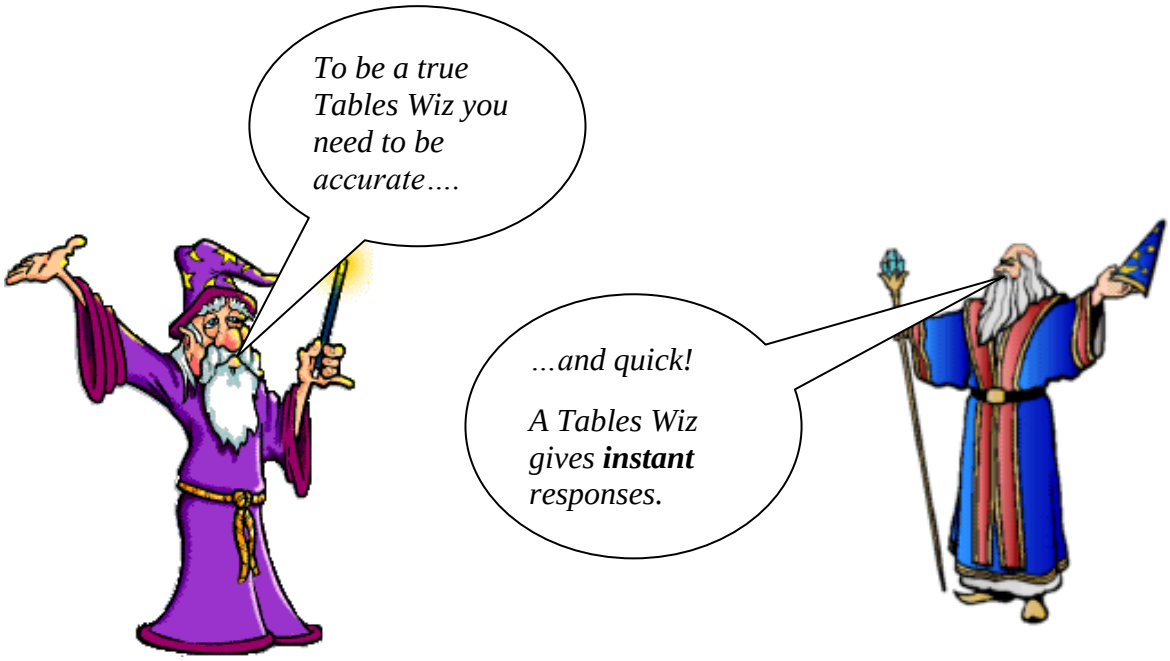
Teachers' Notes

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).



Suggested Time Allowed

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

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Tables Wiz!

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

3 12 8	3 12 8	3 12 8
7	**4**	**11**
6 2 11 7	6 2 11 7	6 2 11 7
4 9 5	4 9 5	4 9 5
3 12 8		3 12 8
3		**9**
6 2 11 7		6 2 11 7
4 9 5		4 9 5
3 12 8		3 12 8
12		**5**
6 2 11 7		6 2 11 7
4 9 5		4 9 5
3 12 8	3 12 8	3 12 8
2	**8**	**6**
6 2 11 7	6 2 11 7	6 2 11 7
4 9 5	4 9 5	4 9 5

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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.

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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:**

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Teachers' Notes

Class Times Tables Progress

- 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.

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Class Times Tables Progress

Students' Names	2			3			4			5			6			7			8			9			11			12		

Teachers' Notes

Tables-athon

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

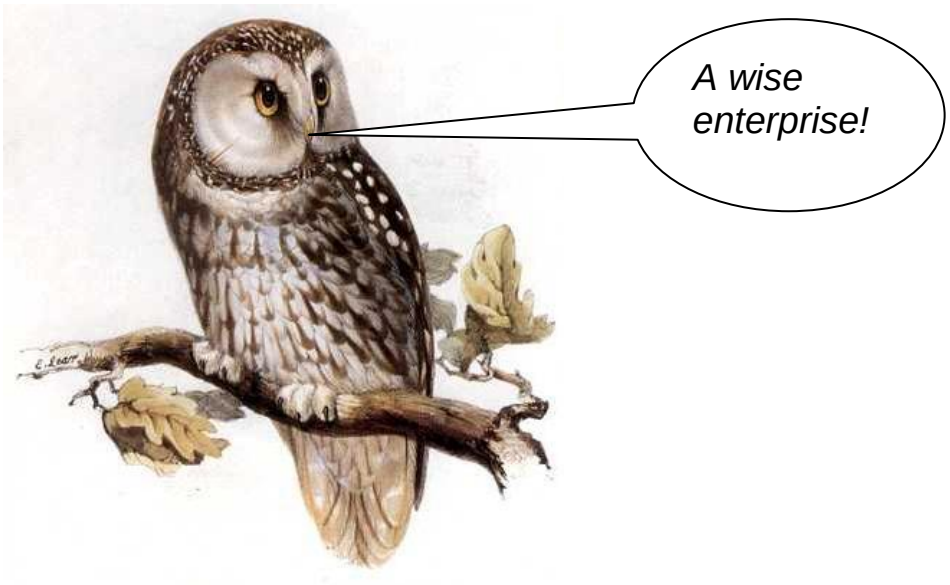
Family, relatives, friends, neighbours, local businesses and work colleagues may wish to assist your school or class in improving their times tables skills.

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.



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Tables-athon

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

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

Time Allowed

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

Time Taken

Score

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Tables-athon Sponsor Form

School.....

Student..... Year Level.....

Our class/school is raising funds to.....
We are practising our Times Tables and will be tested on them soon.
The test will have 100 questions and I am hoping you may sponsor me for 2c or more for each question I answer correctly. Alternatively, you may prefer to make a donation.

** *Corporate donations gratefully accepted* **

Sponsor's Name	Address and Telephone	Amount pledged per correct response	Total

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Tables-athon Award

Presented to

.....

for

.....

Signed .....

Date .....

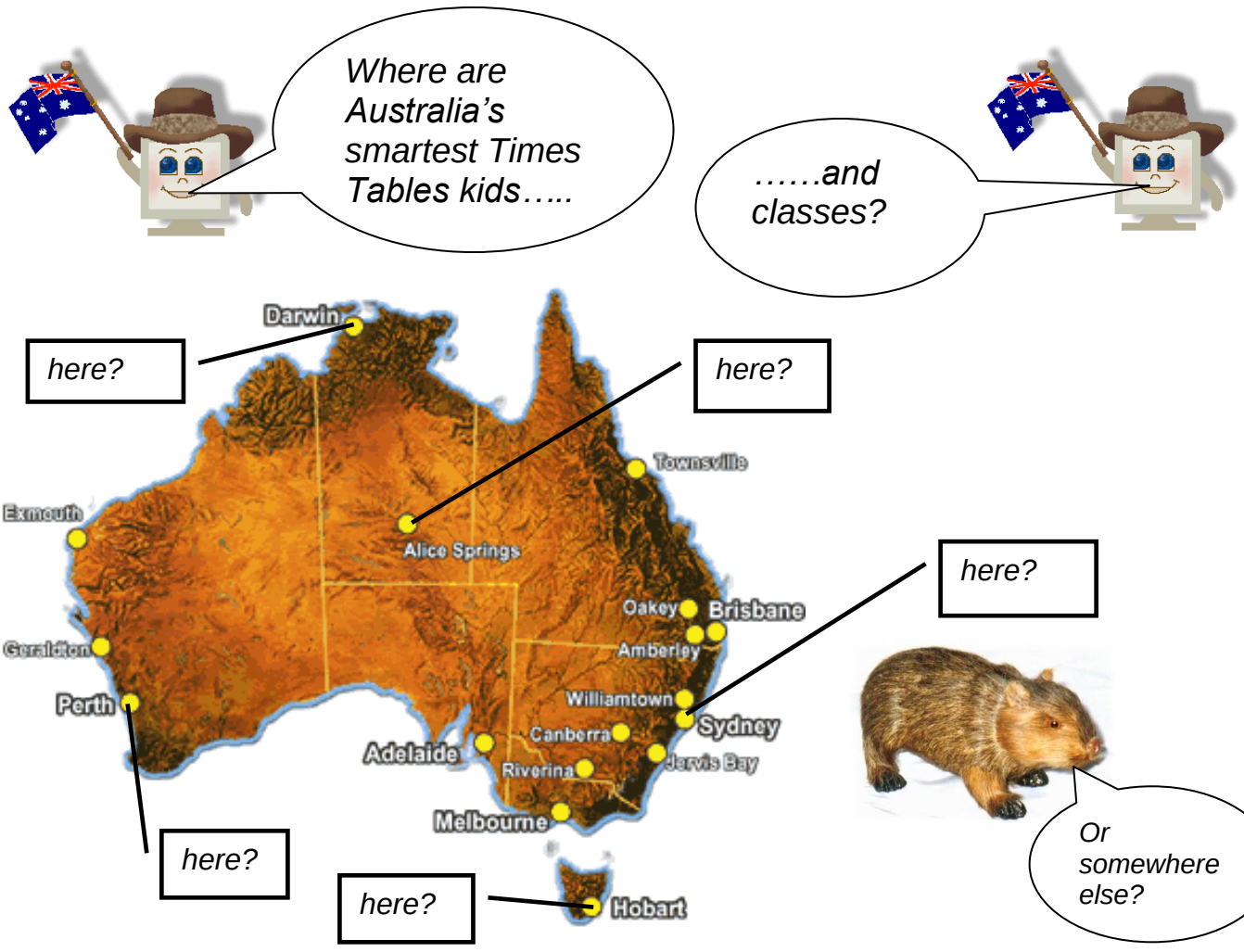
Intelligent Australia's

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*.



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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 *page 64*
IA8	Year 8 student who scores 100% in fastest time	Advanced Tables Challenge *page 64*
IA7	Year 7 student who scores 100% in fastest time	Senior Tables Challenge *page 65*
IA6	Year 6 student who scores 100% in fastest time	Senior Tables Challenge *page 65*
IA5	Year 5 student who scores 100% in fastest time	Intermediate Tables Challenge *page 66*
IA4	Year 4 student who scores 100% in fastest time	Intermediate Tables Challenge *page 66*
IA3	Year 3 student who scores 100% in fastest time	Junior Tables Challenge *page 67*
IA2	Year 2 student who scores 100% in fastest time	Junior Tables Challenge *page 67*
IA1	Year 1 student who scores 100% in fastest time	Junior Tables Challenge *page 67*

Class Awards

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

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

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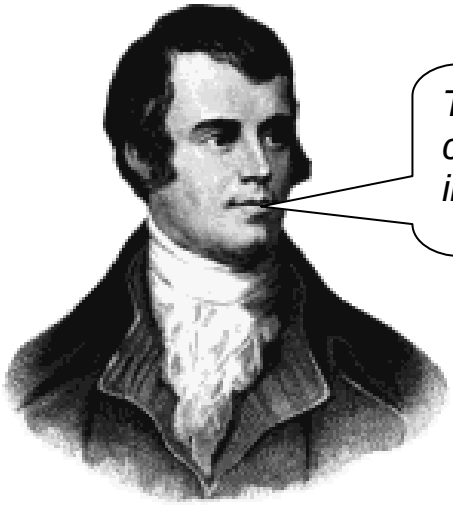
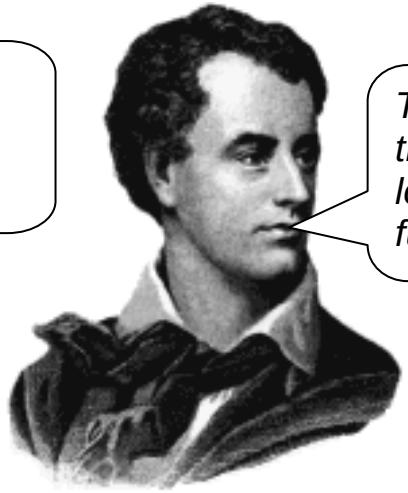
Teachers' Notes

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.

<u>NB</u> the Junior Tables Challenge is identical to the Products test on page 8 and the Tables-a-thon test on page 58.

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Advanced Tables Challenge

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

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

Time

Score

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Senior Tables Challenge

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

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

Time Taken

Score

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Intermediate Tables Challenge

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

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

Time Taken

Score

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Junior Tables Challenge

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

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

Time Taken

Score

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Answers

Advanced Tables Challenge

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

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

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Answers

Senior Tables Challenge

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

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

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