11s and 12s

Times Table Booklet

Name: _____

Class: _____

Rock Name: _____

School's out for the summer! Wahoo! How cool is that?!While your teachers top up their tan, mark your books and catch up on sleep, why don't you have a go at practising your times tables.

Contained within this booklet are a number of activities to keep your mind occupied over the next few weeks. Each activity is explained on the page.

Good luck and have a rockin' holiday!

How do you feel about the 11s and 12s? Draw the face that describes how you feel about each 'I can' statement.

Self assessment	☺	😐	☹
I can count in 11s			
I can count in 12s			

The 11s and 12s.

Use this table of facts to help you later on or you can hide the answers and get a grown-up to test you.

1 ×11= 11	1 × 12 =12
2 ×11= 22	2 × 12 =24
3 ×11 =33	3 × 12 =36
4 × 11=44	4 × 12 =48
5 × 11=55	5 × 12 =60
6 × 11=66	6 × 12 =72
7 × 11=77	7 × 12 =84
8 × 11=88	8 × 12 =96
9 × 11=99	9 ×12=108
10 ×11=110	10×12=120
11×11=121	11×12=132
12×11=132	12×12=144

11s: Skip count in 11s to complete the track.

11	22							

132	121							

Complete the bar models.

11 × 3 = ___		

11 ×___ = ___				
11				

Mark this test paper with a tick or cross:

a) 11 × 4 = 44

b) 11 × 1= 10

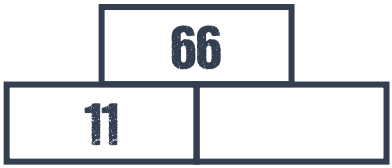
c) 11 × 8= 88

d) Double 11 =121

e) 11 × 3 = 13

f) 11 × 0 = 11

Use your knowledge of the 11s to fill in the missing brick. The first one has been done for you.



Circle the numbers that <u>don't</u> belong in the 11s.

a) 11, 13, 22, 32, 44.

b) 132, 121, 109, 89, 77.

c) 66, 77, 88, 99, 110.

Complete the gaps by counting in 11s.

22, ..., ..., ..., ..., ...

Skip count in 11s by circling the numbers.

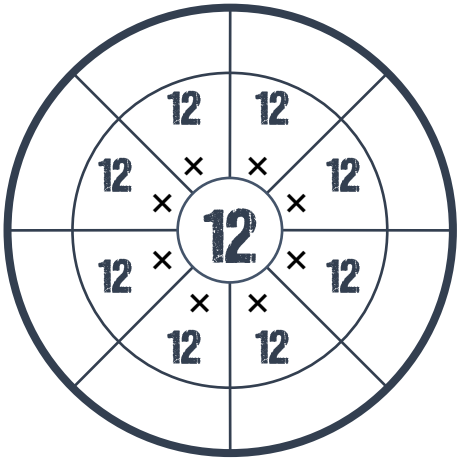
0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99

Complete both columns in the table.

Column A	Column B
11 × 2 =22	11 × 12 =132
11 × 3 =33	11 × 13 =143
11 × 4 =	11 × 14 =
11 × 5 =	11 × 15 =
11 × 6 =	11 × 16 =
11 × 7 =	11 × 17 =
11 × 8 =	11 × 18 =
11 × 9 =	11 × 19 =
11 × 10 =	11 × 20 =

Do you notice a correlation between 11x2 and 11x12? Explain the pattern in words using 'ones', 'tens' and digits.'

12s: Multiply the numbers by the centre number.



Complete the bar models.

12 × __ = ___						
12	12	12	12	12	12	12

__ × __ = 60				
12	12	12	12	12

__ × 1 = ___

__ × 12 = ___										
12										

Draw a line through the 'counting in 12s' number maze starting at 0 and ending at 144.

0	6	12	14	20
12	13	18	72	84
24	36	48	60	96
42	30	29	23	108
46	52	58	120	132
114	45	1	25	144

Answer the following:

a) 0 × 12 =

b) 12 × 12 =

c) 12 × 4 =

d) 6 × 12 =

e) 4 × 12 =

f) Half of 12 =

Complete the blank brick walls using different 12s factor pairs. One has been completed for you.

The 11s and 12s: Complete the tables grids.

×	11	12
10		
9		
2		
8		
5		
7		
6		
4		
3		

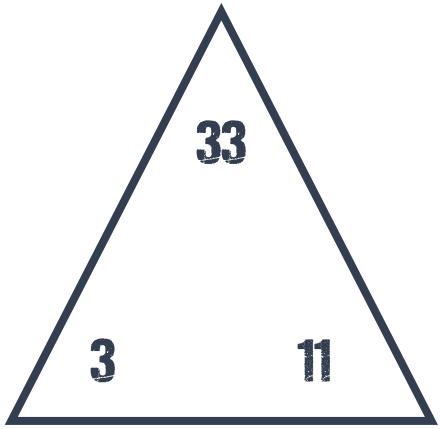
×	2	5
2		
5		
6		
3		
5		
8		
10		
7		
9		

Check up: How are you feeling about the 11s and 12s so far? Draw the face that describes how you feel about each 'I can' statement.

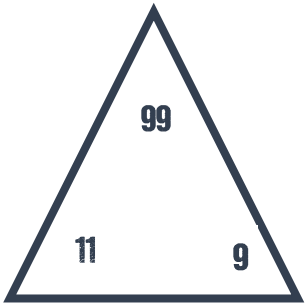
Self assessment	☺	😐	☹
I can count in 11s			
I can count in 12s			

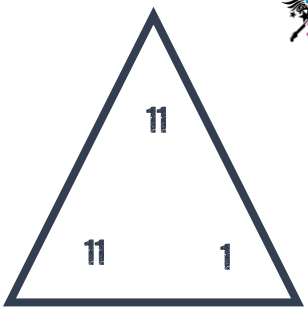
The 11s and 12 fact families.

Fact family example: On the next page you will use only the numbers in the fact triangle to find the associated fact family solutions in the tables for the 11s and 12s.



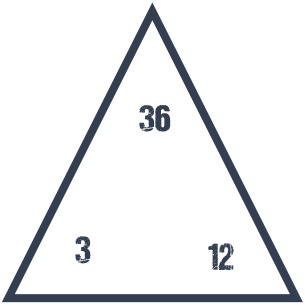
3	×	11	=	33
11	×	3	=	33
33	÷	3	=	11
33	÷	11	=	3

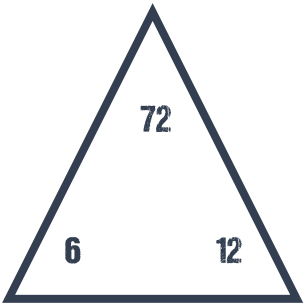

99
11
9


11
11
1

	×		=	
	×		=	
	÷		=	
	÷		=	

	×		=	
	×		=	
	÷		=	
	÷		=	


36
3
12


72
6
12

	×		=	
	×		=	
	÷		=	
	÷		=	

	×		=	
	×		=	
	÷		=	
	÷		=	