

Test your skills: mixed times tables

A How well do you remember these tables? Fill in the missing numbers. [20]

6 × table

$5 \times 6 =$

$9 \times 6 =$

$\times 6 = 72$

$3 \times = 18$

$\times 6 = 24$

8 × table

$4 \times 8 =$

$\times 8 = 48$

$8 \times = 56$

$\times 8 = 88$

$12 \times 8 =$

9 × table

$8 \times 9 =$

$12 \times 9 =$

$\times 9 = 54$

$7 \times = 63$

$\times 9 = 81$

11 × table

$7 \times 11 =$

$\times 11 = 110$

$5 \times = 55$

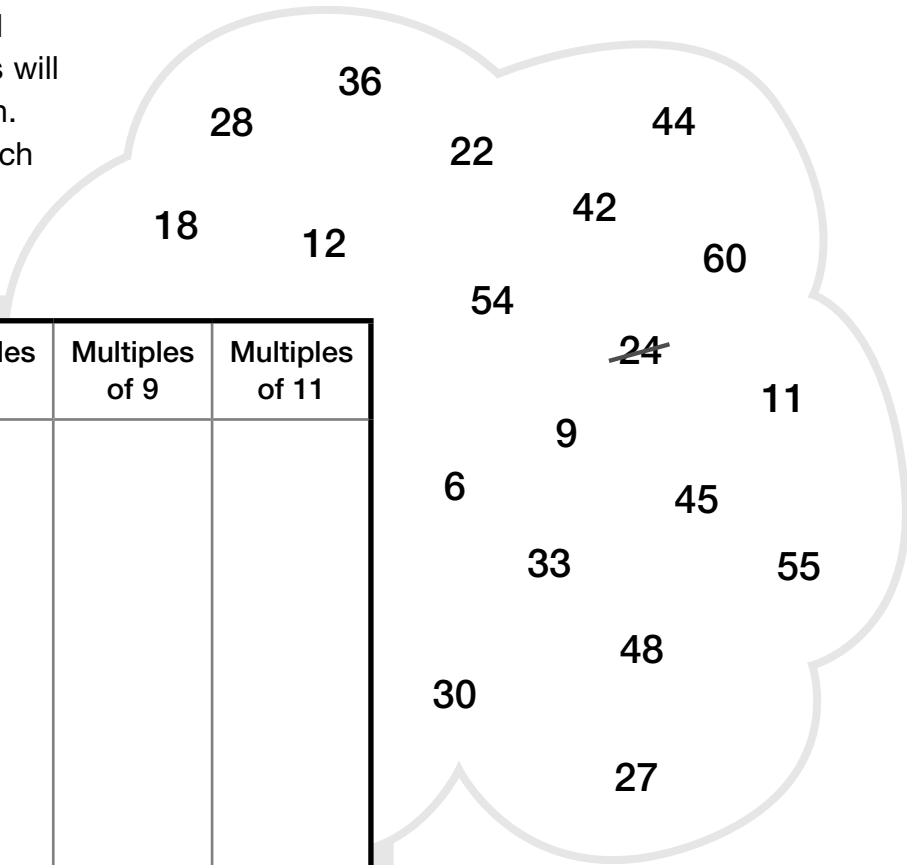
$\times 11 = 88$

$6 \times 11 =$

Total marks

- B** Sort the numbers in the cloud into the table. Some multiples will go into more than one column. Give yourself one mark for each correct column. [5]

Multiples of 6	Multiples of 4	Multiples of 8	Multiples of 9	Multiples of 11
24	24	24		



- C** Write the answers to these questions. [5]

- 1 Multiply seven by eight. _____
- 2 Find the product of 11 and nine. _____
- 3 What is 54 shared between six? _____
- 4 Multiply six and 11. _____
- 5 Divide 48 equally between eight. _____

Total marks





Helpful Hint

When a number is multiplied by itself the **product** is called a **square number**.

Example: $3 \times 3 = 9$. This can also be written as $3^2 = 9$. **9** is a **square number**.

The **square number** of an even number is always even.

The **square number** of an odd number is always odd.

When a number is multiplied by itself and the answer is multiplied by the same number again, it is called a **cube number**.

Example: $2 \times 2 \times 2 = 8$ or $2^3 = 8$. **8** is a **cube number**.

D Answer these as quickly as possible. The answers are all square numbers. [10]

$1 \times 1 =$ <input style="width: 100px; height: 25px;" type="text"/>	
$3 \times 3 =$ <input style="width: 100px; height: 25px;" type="text"/>	
$5^2 =$ <input style="width: 100px; height: 25px;" type="text"/>	
$8 \times 8 =$ <input style="width: 100px; height: 25px;" type="text"/>	
$10 \times 10 =$ <input style="width: 100px; height: 25px;" type="text"/>	

$2^2 =$ <input style="width: 100px; height: 25px;" type="text"/>	
$4 \times 4 =$ <input style="width: 100px; height: 25px;" type="text"/>	
$6 \times 6 =$ <input style="width: 100px; height: 25px;" type="text"/>	
$9^2 =$ <input style="width: 100px; height: 25px;" type="text"/>	
$11 \times 11 =$ <input style="width: 100px; height: 25px;" type="text"/>	

E Fill in the missing numbers. The answers are all cube numbers. [5]

$1^3 = 1 \times 1 \times 1 =$ <input style="width: 100px; height: 25px;" type="text"/>	$2^3 = 2 \times 2 \times 2 =$ <input style="width: 100px; height: 25px;" type="text"/>
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$3^3 =$ <input style="width: 60px; height: 25px;" type="text"/>	×	<input style="width: 60px; height: 25px;" type="text"/>	×	<input style="width: 60px; height: 25px;" type="text"/>	=	<input style="width: 60px; height: 25px;" type="text"/>
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$4^3 =$ <input style="width: 60px; height: 25px;" type="text"/>	×	<input style="width: 60px; height: 25px;" type="text"/>	×	<input style="width: 60px; height: 25px;" type="text"/>	=	<input style="width: 60px; height: 25px;" type="text"/>
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$5^3 =$ <input style="width: 60px; height: 25px;" type="text"/>	×	<input style="width: 60px; height: 25px;" type="text"/>	×	<input style="width: 60px; height: 25px;" type="text"/>	=	<input style="width: 60px; height: 25px;" type="text"/>
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Total marks

15

- F How quickly can you fill in this multiplication grid? Give yourself one mark for completing each row. The first one has been done for you. [11]

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

Total marks



Unit 7

- A** 6 x table: 30, 54, 12, 6, 4
8 x table: 32, 6, 7, 11, 96
9 x table: 72, 108, 6, 9, 9
11 x table: 77, 10, 11, 8, 66
- B** **6:** 6, 12, 18, 30, 36, 42, 48, 54, 60
4: 12, 28, 36, 44, 48
8: 48
9: 9, 18, 27, 36, 45, 54
11: 11, 22, 33, 44, 55
- C** 56, 99, 9, 66, 6
- D** 1, 9, 25, 64, 100, 4, 16, 36, 81, 121
- E** 1, 8, 27, 64, 125

F

x	4	6	8	9	11
1	4	6	8	9	11
4	16	24	32	36	44
5	20	30	40	45	55
8	32	48	64	72	88
3	12	18	24	27	33
6	24	36	48	54	66
9	36	54	72	81	99
2	8	12	16	18	22
12	48	72	96	108	132
7	28	42	56	63	77
11	44	66	88	99	121
10	40	60	80	90	110