

Name:



## Maths Assessment Year 3 Term 3: Multiplication and Division

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1. Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
2. Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental methods and progressing to formal written methods.
3. Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which  $n$  objects are connected to  $m$  objects.

## Maths Assessment Year 3 Term 3: Multiplication and Division

1. Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.

Fill in the missing numbers:

$8 \times 7 = \boxed{\phantom{000}}$

$3 \times 9 = \boxed{\phantom{000}}$

$$72 \div \boxed{\phantom{000}} = 8$$

$$\boxed{\phantom{00}} \div 6 = 4$$

$$24 \div \boxed{\phantom{000}} = 3$$

$\times 4 = 32$

2. Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental methods and progressing to formal written methods.

- a) Write the multiplication fact you know, which you can use to solve the following calculations. Then solve the calculation. The first one is done for you:

e.g.  $40 \times 8$

I know  $4 \times 8 = 32$ , so  $40 \times 8 = 320$

- i)  $90 \times 4$

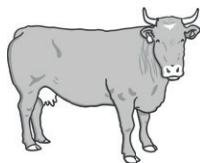
- ii)  $240 \div 8$

- b) Use written methods to complete these calculations.**

$24 \times 5 =$	$73 \times 8 =$
<input type="text"/>	<input type="text"/>
$105 \div 3 =$	$92 \div 4 =$
<input type="text"/>	<input type="text"/>

3. Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which  $n$  objects are connected to  $m$  objects.

a) A farmer has 56 cows. In the milking shed he puts 8 cows in each row. How many rows will he need to milk all the cows?



b) Jack has 5 red toy cars. For every red car, he has 3 blue cars. How many blue cars does he have?



2 marks

c) Aalia is having a party and she buys six 2 litre bottles of lemonade. How many litres of lemonade has she bought?

 litres

She pours each bottle into 8 cups. How many cups will she fill altogether?



d) Each child in a class needs 5 exercise books and 4 pencils. If there are 30 children, how many exercise books and pencils are needed?

 exercise books pencils

4 marks

Total for this page

# Answer Sheet: Maths Assessment Year 3 Term 3: Multiplication and Division



question	answer	marks	notes				
1. Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.							
	$8 \times 7 = \boxed{56}$ $3 \times 9 = \boxed{27}$ $72 \div \boxed{9} = 8$ $\boxed{24} \div 6 = 4$ $24 \div \boxed{8} = 3$ $\boxed{8} \times 4 = 32$	6	Award 1 mark for each correct answer.				
2. Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.							
a	i) I know $9 \times 4 = 36$ so $90 \times 4 = 360$ ii) I know $24 \div 8 = 3$ so $240 \div 8 = 30$	4	Award 1 mark for the multiplication fact and 1 mark for the correct answer to the calculation. Apply this to each calculation, so 4 marks overall.				
b	<table><tr><td><b>120</b></td><td><b>584</b></td></tr><tr><td><b>35</b></td><td><b>23</b></td></tr></table>	<b>120</b>	<b>584</b>	<b>35</b>	<b>23</b>	4	Award 1 mark for each correct answer. Do not award a mark if no written method has been shown.
<b>120</b>	<b>584</b>						
<b>35</b>	<b>23</b>						
3. Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.							
a	7	1					
b	15	1					
c	12 litres 48 cups	2	1 mark for each correct answer.				
d	150 exercise books 120 pencils	2	1 mark for each correct answer.				
		Total 20					