

Name:



Maths Assessment Year 3: Multiplication and Division

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 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.

Name:

Date:



Maths Assessment Year 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:

$$\boxed{} \times 4 = 16$$

$$24 \div \boxed{} = 4$$

$$\boxed{} \div 3 = 7$$

$$\boxed{} \times 3 = 24$$

$$8 \times \boxed{} = 48$$

$$8 \times \boxed{} = 32$$

6 marks

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) Complete these calculations, using the top calculation to help solve the calculation below

$4 \times 3 =$	$4 \times 5 =$
$40 \times 3 =$	$4 \times 5 \times 10 =$

4 marks

b) Use written methods to complete these calculations

$14 \times 4 =$	$26 \times 3 =$
$69 \div 3 =$	$72 \div 4 =$

4 marks

Total for this page

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.

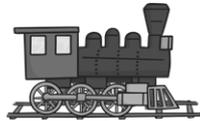
a) Tim's sunflower grew to 50cm. Alina's was three times as high. How tall was Alina's sunflower?



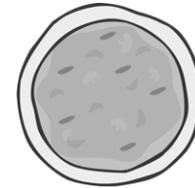
b) Stefan had a bag of sweets for his birthday and shared them equally with his three friends. He had 24 sweets in the bag, how many sweets did each of the four children get?



c) Safiya made a train track that went all around the room. It was 22 metres long. Simon went outside to make a train track and his was four times as long. How long was Simon's track?



d) Alex's dad made 18 hotdogs for the family. There are six people in his family, how many hotdogs did they get each?



e) The netball club were organising a tournament and needed to find kit for different teams. They had t-shirts in three different colours, and shorts in 4 different colours. How many different team kits could they make?



f) Zayan was saving his pocket money to buy a second hand game for his Xbox. His parents agreed to give him £3 a week if he did the washing up and the hoovering every day. How many weeks would it take him to save £21 if he didn't spend it on anything else?



6 marks

Total for this page

Answer Sheet: Maths Assessment Year 3: Multiplication and Division



question	answer	marks	notes				
1. Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.							
	$\boxed{4} \times 4 = 16$ $24 \div \boxed{6} = 4$ $\boxed{21} \div 3 = 7$ $\boxed{8} \times 3 = 24$ $8 \times \boxed{6} = 48$ $8 \times \boxed{4} = 32$	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	<table border="1"> <tr> <td>12</td> <td>20</td> </tr> <tr> <td>120</td> <td>200</td> </tr> </table>	12	20	120	200	4	Award 1 mark for each correct answer.
12	20						
120	200						
b	<table border="1"> <tr> <td>56</td> <td>78</td> </tr> <tr> <td>23</td> <td>18</td> </tr> </table>	56	78	23	18	4	Award 1 mark for each correct answer. Do not award a mark if no written method has been shown.
56	78						
23	18						
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	150 cm or 1.5 m	1	Accept 150 without units but not 1.5.				
b	6	1					
c	88m	1					
d	3	1					
e	12	1					
f	7	1					
		Total 20					