

Name:



Maths Assessment Year 4 Term 3: Multiplication and Division

1. Recall multiplication and division up to 12×12 .
2. Use place value, known and derived facts to multiply and divide mentally, including: dividing by 1; multiplying together three numbers.
3. Recognise and use factor pairs and commutativity in mental calculations.
4. Multiply 2 digit and 3 digit numbers by a 1 digit number using formal written layout.
5. Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

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Maths Assessment Year 4 Term 3: Multiplication and Division

1. Recall multiplication and division up to 12×12 .

Answer the questions your teacher reads out loud. Just write the answer.

1		6		11		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

10 marks

2. Use place value, known and derived facts to multiply and divide mentally, including: dividing by 1; multiplying together three numbers.

a) Answer the questions your teacher reads out loud. Just write the answer.

1		6	
2		7	
3		8	
4		9	
5		10	

5 marks

b) Multiply these numbers together:

$2 \times 6 \times 2$	
$5 \times 4 \times 3$	
$7 \times 2 \times 8$	
1×349	
$7 \times 2 \times 10$	
$5 \times 5 \times 5$	

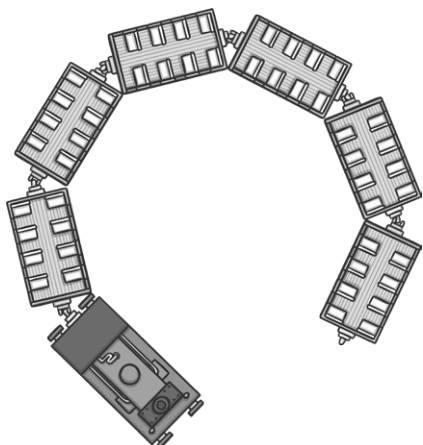
6 marks

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5. Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

Solve the following problems:

- a) A train has 6 carriages, each with 8 seats. Tickets are £3 for adults and £2 for children. On one journey, three carriages are full, two are half full and one is empty. How many passengers are on the train? Show your working out.



2 marks

- b) On another journey there are 42 passengers. 16 are adults and the rest are children. How much is paid for the tickets? Show your working out.



2 marks



Total for this page

c) Two new carriages are added to the train. If carrying adults, how much more money can be made on each journey?

2 marks

Total for
this page

1. Questions for teacher to read aloud. Read each question twice and leave 5 seconds for the pupils to answer. Children should just write down the answer.

1	9×2	6	5×9	11	$84 \div 7$	16	9×10
2	$32 \div 4$	7	9×2	12	7×5	17	$12 \div 12$
3	6×3	8	$36 \div 6$	13	9×8	18	6×5
4	12×6	9	4×12	14	$48 \div 8$	19	12×11
5	$63 \div 7$	10	6×9	15	6×7	20	$88 \div 8$

2. Tell the children to use the multiplication facts they already know and place value to answer the following questions. Read each question twice and leave 10 seconds for them to write the answer.

1	50×3	6	$360 \div 9$
2	2×80	7	70×7
3	$800 \div 4$	8	300×5
4	30×9	9	$600 \div 2$
5	50×6	10	60×40

Answer Sheet: Maths Assessment Year 4 Term 3: Multiplication and Division



question	answer	marks	notes
1. Recall multiplication and division up to 12×12.			
	1. 18 6. 45 11. 12 16. 90 2. 8 7. 18 12. 35 17. 1 3. 18 8. 6 13. 72 18. 30 4. 72 9. 48 14. 6 19. 132 5. 9 10. 54 15. 42 20. 11	up to 10 marks	1 or 2 correct = 1 mark 3 or 4 correct = 2 marks 5 or 6 correct = 3 marks 7 or 8 correct = 4 marks 9 or 10 correct = 5 marks 11 or 12 correct = 6 marks 13 or 14 correct = 7 marks 15 or 16 correct = 8 marks 17 or 18 correct = 9 marks 19 or 20 correct = 10 marks
2. Use place value, known and derived facts to multiply and divide mentally, including: dividing by 1; multiplying together three numbers.			
a	1. 150 6. 40 2. 160 7. 490 3. 200 8. 1500 4. 270 9. 300 5. 300 10. 2400	up to 5 marks	1 or 2 correct = 1 mark 3 or 4 correct = 2 marks 5 or 6 correct = 3 marks 7 or 8 correct = 4 marks 9 or 10 correct = 5 marks
b	I. 24 II. 60 III. 112 IV. 349 V. 140 VI. 125	up to 6 marks	Award one mark for each correct answer.
3. Recognise and use factor pairs and commutativity in mental calculations.			
a	1×60 , 2×30 , 3×20 , 4×15 , 5×12 , 6×10	3	Accept them in any order.
b	6 and 7	1	Accept them in any order.
c	$8 \times 4 \times 3$ 12×4 3×32 $8 \times 5 \times 3$ $3 \times 8 \times 4$ ☒ ☐ ☒ ☐ ☒	up to 2 marks	Score 2 marks for all 3 correct, with no others marked with a tick. Score 1 mark for 2 correct, with no others marked with a tick.
d	$9 \times 5 \times 2$ $2 \times 5 \times 9$ $2 \times 9 \times 5$ $5 \times 2 \times 9$ $5 \times 9 \times 2$	3	3 marks for all 5, 2 marks for 4 correct ways and only 1 error, 1 mark for 3 correct ways and only 1 error. Also allow expressions where 2 digits are multiplied: eg 18×8 or 48×3
4. Multiply 2 digit and 3 digit numbers by a 1 digit number using formal written layout.			
	$78 \times 3 = 234$ $64 \times 8 = 512$ $149 \times 5 = 745$ $516 \times 4 = 2064$	up to 4 marks	Award 1 mark for each correct answer, but must show working out.

question	answer	marks	notes
5. Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.			
a	32	Up to 2 marks	Score 2 marks for correct answer. 1 mark for an answer showing a method but with 1 mistake.
b	£100	Up to 2 marks	Score 2 marks for correct answer. 1 mark for an answer showing only 1 mistake.
c	£48	Up to 2 marks	Score 2 marks for correct answer. 1 mark for correct method and only 1 mistake in calculation.
		Total 40	