Name:

Maths Assessment Year 4 Term 3: Multiplication and Division

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

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

1	18		6	45	V	11	12	V	16	90	
2	8	1	7	18		12	35	V	17	1	V
3	18	 . 	8	6	V	13	72		18	30	
4	72		٩	48	V	14	6	V	19	132	/
5	9	\checkmark	10	54	\checkmark	15	42		20	(1	

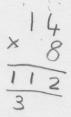


- **2.** Use place value, known and derived facts to multiply and divide mentally, including: dividing by 1; multiplying together three numbers.
- a) Answer the questions your teacher reads out loud. Just write the answer.

1	150 1	6	40
2	160	7	490
3	200 V	8	1500
4	270	٩	300
5	300	10	240 ×

b) Multiply these numbers together:

2 x 6 x 2	24	
5 x 4 x 3	60	
7 x 2 x 8	112	/
1 x 349	349	\checkmark
7 x 2 x 10	140	\checkmark
<u>5 x 5 x 5</u>	125	V



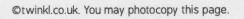


5 marks



twinkl

3. Recognise and use factor pairs and commute	ativity in mental calculations.	
a) Write all the factors of 60		
1×60,2×30,6×10,	3×20,4×15,5×12	3 3 marks
b) Which two factors of 42 have a total of 1		1 mark
c) Tick the calculations that have the same an	nswer to 4 x 8 x 3.	
8 x 4 x 3 12 x 4 3	x 32 8 x 5 x 3 3 x 8 x 4	2 2 marks
d) Write the following calculation in 5 other v	ways:	
9 x 2 x 5		
2×9×5) 5×9×	2 2×5×9	
5×2×9 9×5×2		3 3 marks
4. Multiply 2 digit and 3 digit numbers by a 1	digit number using formal written layout.	
Use written methods to complete these calcu	ulations. Show your working out:	-
$ \begin{array}{r} 78 \times 3 \\ $	64×8 512 512 512	
149 x 5	516 x 4	
$ \begin{array}{r} 1 49 \\ x 5 \\ \overline{7 45} \\ 2 4 \end{array} $ (745)	2	4 marks
145	2064	



1 3 Total fo 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.

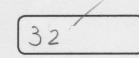
Solve the following problems:

 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.

3×8=24

24+8=32

2×4=8



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.

colculation inverse $\frac{42}{16}$ $\frac{26}{16}$ $\frac{26}{42}$ $\frac{42}{10}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \frac{1}{100} = 1$
		\$ 100 m

c) Two new carriages are added to the train. If carrying adults, how much more money can be made on each journey? 1 carriage carries 8 adults 2 carriages garry 2×8=16 adults 16 X 2 \$48 2 2 mark

