BRICKWORK Mathematics

Post learning assessment
Multiplication Year 6 Answers

Multiplication & Division

1) Answer these multiplication sums

a) 255 x 4 = **1020**

b) 7000 x 9 = **63000**

c) 35 x 8 = **280**

d) 450 x 5 = **2250**

e) 800 x 50 = **40000**

Look out for the variety of mental methods used and if the child has selected an efficient mental method of either using multiplication facts that they know for larger numbers or using doubling or x by 10, 100 etc to find 5, 50, or 20 lots. Opportunities throughout the year should be provided for the child to select if they need to use a written method or mental method for the question.

2) **5538** = 923 x 6

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  9 2 3
x     6
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5 5 3 8
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  1   1
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3) A shop sells approximately 1360 packets of crisps a month. How many crisps do they sell in the months with 31 days altogether?

1 3 6 0
x 7
9 5 2 0
2 4

Assess here whether the error is with the ability to multiply a 4 digit number by a 1 digit number or whether the child lacks the understanding that there are 7 months in the year with 31 days.

9520

4) Tom buys a football sticker book to collect his football stickers in. He wants to buy some for his friends too. He buys 7 in total. How much does he spend?

2 . 9 9
7
2 0 . 9 3
6 6

Here you want to assess which children noticed that £2.99 is close to £3.00 and either used this fact to work out the answer or estimate the answer. This may want to be discussed with the pupils when marking/ reviewing.

£ 20.93

5) A large group of families went on a trip to a theme park. They recorded how much each family needed to pay in a table. Fill in the missing amount.

Family	Cost of 1 ticket	Number of family members	Total cost for the family
The Harrisons	£22.59	4	£ 90.36
The Patels	£22.59	5	£ 112.95
The Smiths	£22.59	2	£45.18
The Wards	£22.59	7	**£158.13**
The Roberts	£22.59	3	£67.77

6) 67 x 14 =

		6	7						
		1	4						
	2	6	8						
	6	2 7	0						
	9	**3**	**8**						
	1						**938**		

7) 324 x 19 =

		3	2	4					
	x		1	9					
	2	9	1	6					
	3	2 (2)	4 (3)	0					
	6 (1)	1	5	6			6156		

8) 5162 x 21 =

		5	1	6	2				
				2	1				
		5	1	6	2				
1	0	3	2	4	0				
1	0	8 (1)	4	0	2				
			1				108402		

9) Christopher gets £6.25 from his Nana each month and £3.25 from his aunty each month for pocket money. He saves this money in the bank. How much money will he save in a whole year?

6.25
+ 3.25
9.50

9.50
x 12
19.00
+ 95.00
114.00

Alternatively children may have done £6.25 x 12 and £3.35 x 12 and then added the totals together .

£114.00

10) Harry has 36 sweets. Circle all the possibilities of how he could share these in to equal groups:

8 (4) 17 (36) (3) (6) (12) (1) 5

11) Find the common factors of 50 and 100

1, 2, 5, 10, 25, 50

12) Add data to each part of the table below. One has been completed for you

	Multiple of 8	Multiple of 12
Less than 50	32 Any of the following 8,16,24,40,48,	Any of the following 12,24,36,48,
More than 100	104,112,120,128 and any number above these that are divisible by 8.	108, 120, 132, 144, 156 and any number above these that are divisible by 12