Number - Multiplication and Division Assessment

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Total Marks (out of 30)	

3.1

Name	
Date	

Section 1:

recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

1 Draw lines to match the multiplication with the correct answer.

One has been done for you.

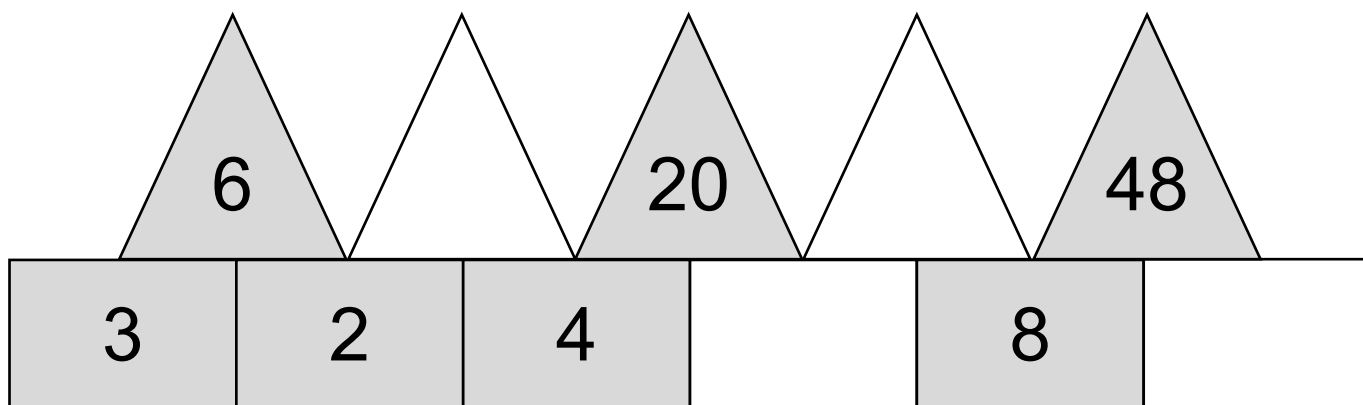|	
3 x 2	16
4 x 6	24
8 x 2	6
3 x 10	32
4 x 8	30

4 marks

v1 created 14/9/16

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2 The numbers in the triangles are made by **multiplying** the two numbers below.

Write the four missing numbers.

| 3 | 2 | 4 | | 8 | |

Triangles: 6, _, 20, _, 48

4 marks

3 There are **28 children** in a class.

They get into **groups of 4** for P.E.

How many groups are there?

1 mark

4 Tom is thinking of a number.

He says, "When I **multiply** my number **by 8**, I get **24**."

What number is Tom thinking about?

1 mark

Section 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

5 Write the missing numbers.

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

$$3 \times \boxed{} = 18$$

$$21 \div 3 = \boxed{}$$

$$40 \times 3 = \boxed{}$$

$$360 = 40 \times \boxed{}$$

$$200 \div \boxed{} = 50$$

$$720 \div 8 = \boxed{}$$

7 marks

6 Milly says:

I know that **4 x 20 = 80**
and I know that **4 x 3 = 12**

Explain how she can work out **4 x 23**

1 mark

7 Calculate 3 x 16

Show your method

2 marks

8 Calculate 4 x 52

Show your method

2 marks

Section 4:

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.

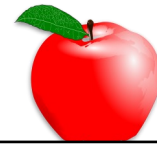**9**   Archie has 3 sweets.

Milly has 5 times as many sweets as Archie.
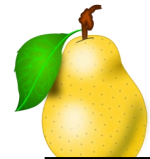
How many sweets do they have altogether?

1 mark

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10   Apples cost 60p each.

Pears cost 80p each.

Apples
60p each

Pears
80p each

How much would **4 apples** cost?

1 mark

How many **pears** can you buy with **£4**?

1 mark

11 One can of lemonade costs 42p.

A pack of 6 cans costs £2.20

42p each

6 pack

£2.20

How much cheaper is it to buy a 6 pack rather than 6 single cans?

Show your method

3 marks

12 Write the missing numbers.

$$40 \times 8 = \boxed{} \div 2$$

$$720 \div 80 = \boxed{} \div 4$$

2 marks