

Total Marks (out of 40)	
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# 6.2

Name	
Date	

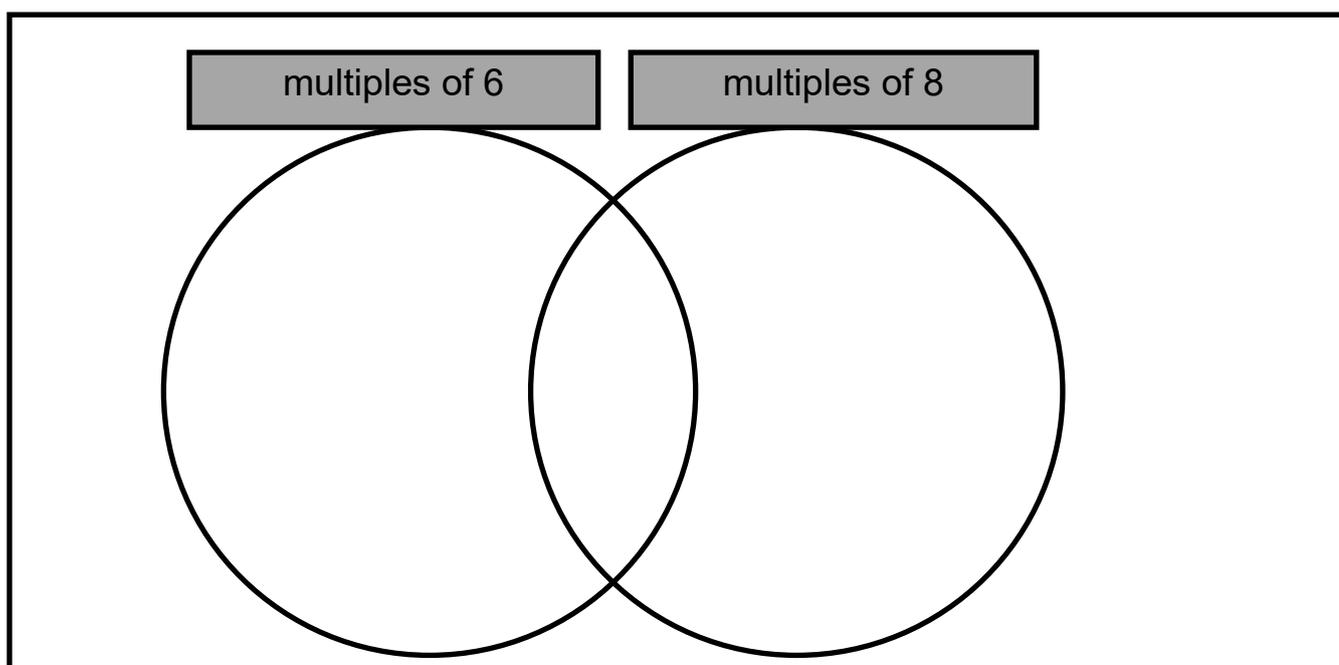
## Section 1:

Identify common factors, common multiples and prime numbers.

1

Write these numbers in the correct position on the Venn diagram.

12      16      20      24



2 marks

2 These numbers are **both factors of 16** and **factors of 24**.

1            2            4            8

Write all the numbers that are **both factors of 30** and **factors 50**

3 marks

3 Complete these calculations using **different prime** numbers.

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{18}$$

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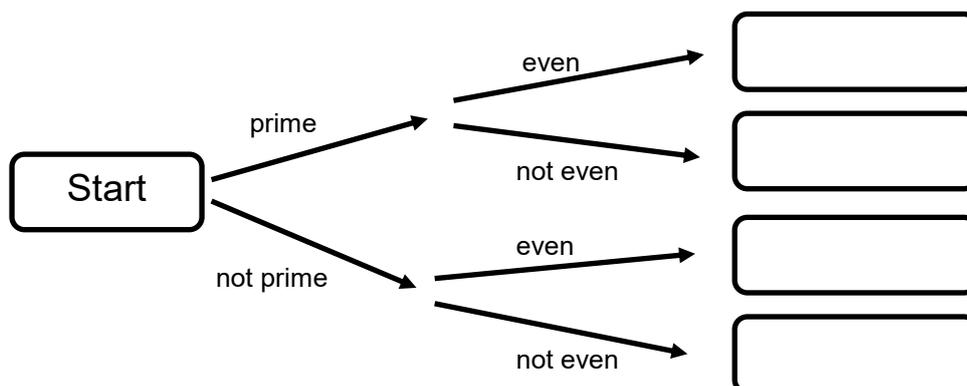
$$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{16}$$

3 marks

4 Here is a diagram for sorting numbers.

Write these three numbers in the correct boxes.

21            22            23



2 marks

**Section 2:**

Use knowledge of the order of operations to carry out calculations involving the four operations.

**5**

Complete the calculations.

$$7 + 2 \times 3 = \boxed{\phantom{00}}$$

$$18 - 4 \div 2 = \boxed{\phantom{00}}$$

$$8 \times 5 + 3 = \boxed{\phantom{00}}$$

3 marks

**6**

Insert pairs of brackets ( ) to make these calculations correct.

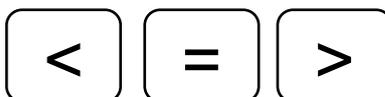
$$5 \times 3 + 1 = 20$$

$$20 \div 4 + 6 = 2$$

2 marks

**7**

Look at these signs.



Write the correct sign in each box

$$7 + 3 \times 4 \quad \boxed{\phantom{<=>}} \quad 40$$

$$8 \times (2 + 2) \quad \boxed{\phantom{<=>}} \quad 8 \times 2 + 2$$

$$45 \div 5 + 4 \quad \boxed{\phantom{<=>}} \quad (45 \div 5) + 4$$

2 marks

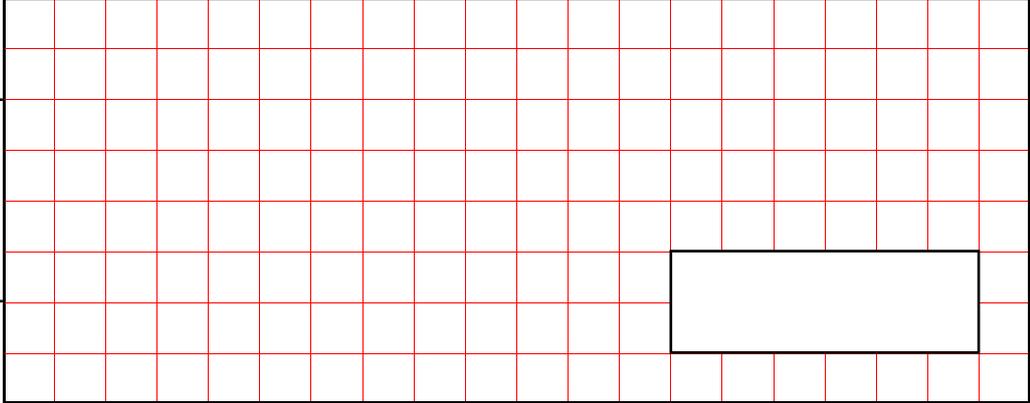


**Section 4:**

Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division (using the formal written method of short division where appropriate), and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context

**10**Calculate  $4,884 \div 12$ 

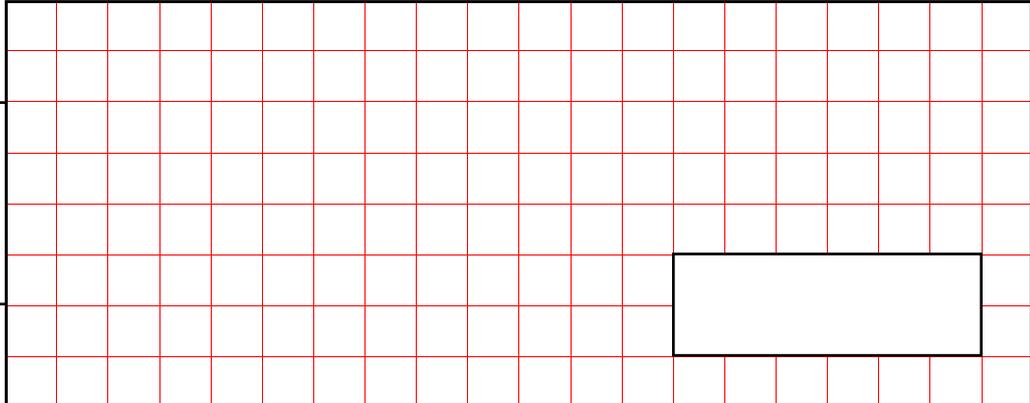
Show your method



2 marks

**11**Calculate  $7,344 \div 34$ 

Show your method



2 marks





