

Key Stage 2

Prime and Composite Numbers

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
DFE number						

1

Circle all the prime numbers.

a number that can only be \div by itself and 1 without remainders.

1 2 5 10 21 30 31 51 67

1 mark

2

Circle all the composite numbers.

whole numbers that have more than two factors.

1 2 3 4 5 21 39 66 67

1 mark

3

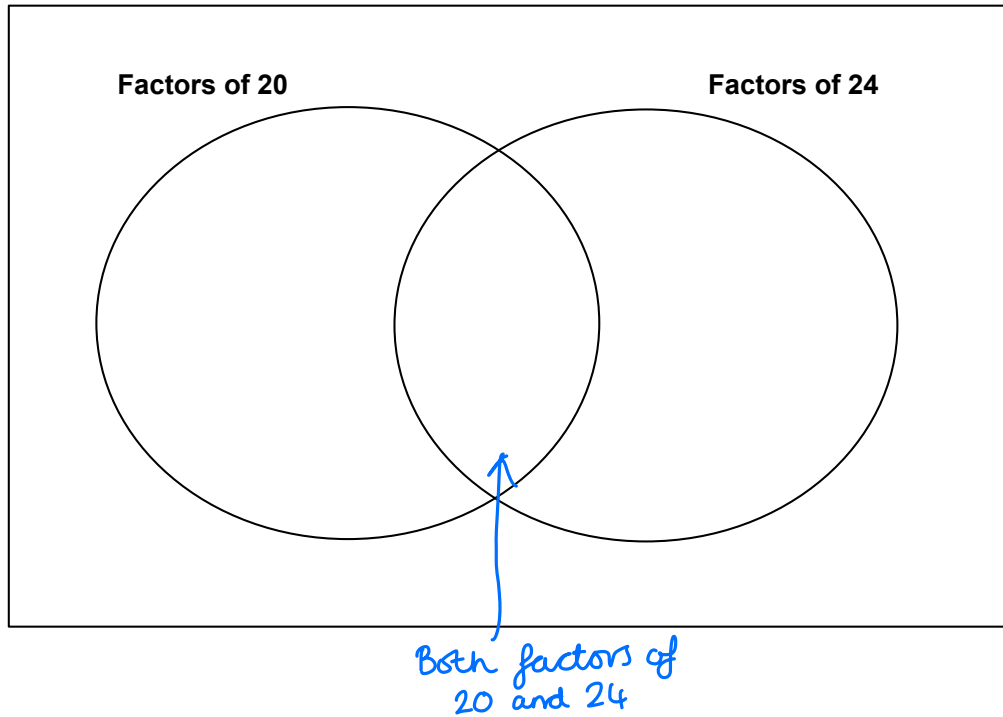
Put prime numbers in the boxes to make the calculation correct.

$$\square \times \square \times \square = 50$$

1 mark

4

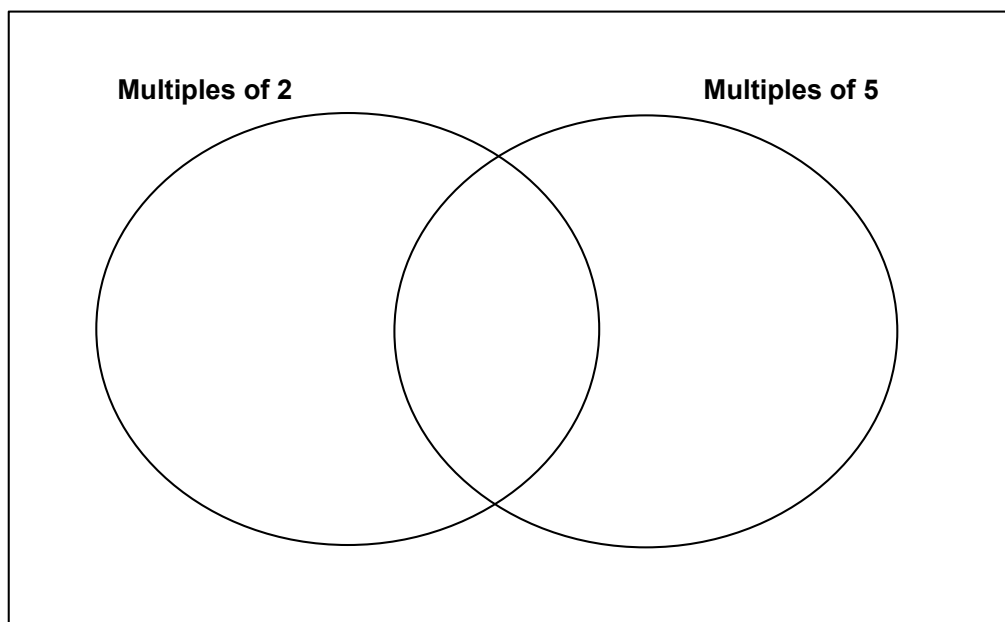
Write these numbers in the correct place on the Venn diagram: 1, 2, 3, 4, 5, 6, 10, 12, 20, 24



1 mark

5

Write these numbers in the correct place on the Venn diagram: 1, 2, 3, 4, 5, 6, 10, 15, 20, 25, 30

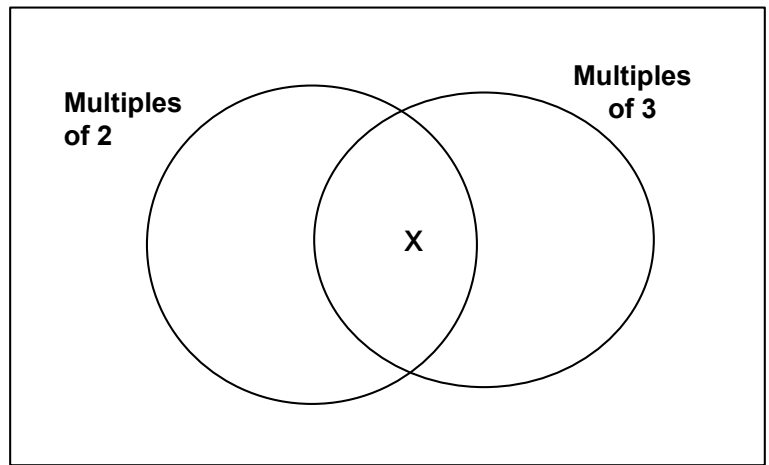


1 mark

6

Stanley has made this Venn diagram but not yet added any numbers.

He thinks that only multiples of 6 can be written in the intersection (labelled 'x').

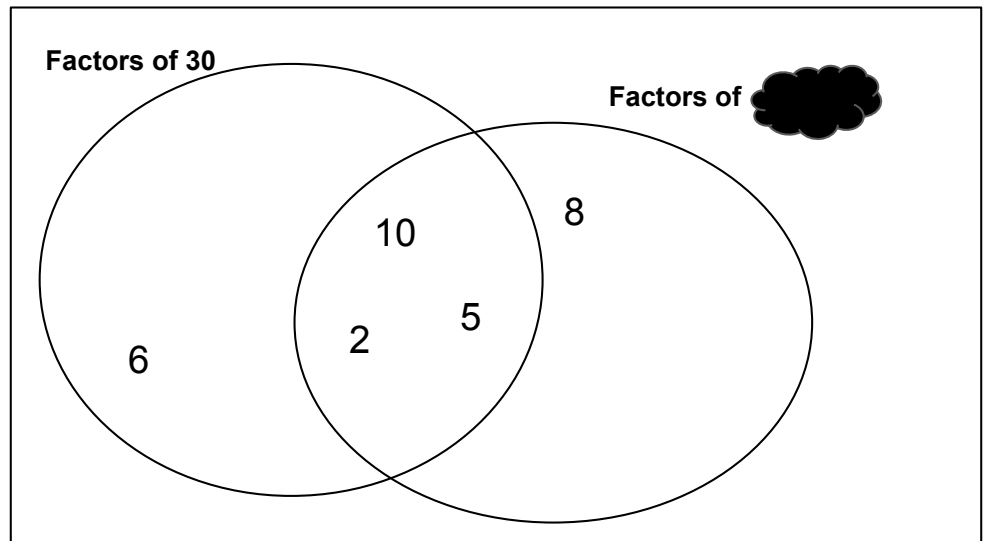


Is Stanley right or wrong? Explain your answer.

1 mark

7

Hallie has chosen some numbers and sorted them in a Venn diagram. She has spilt ink on her diagram.



What is the smallest number that could be behind the ink splot?

Answer:

1 mark