

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.

1 2 5 10 21 30 31 51 67

1 mark

2

Circle all the composite numbers.

1 2 3 4 5 21 39 66 67

1 mark

3

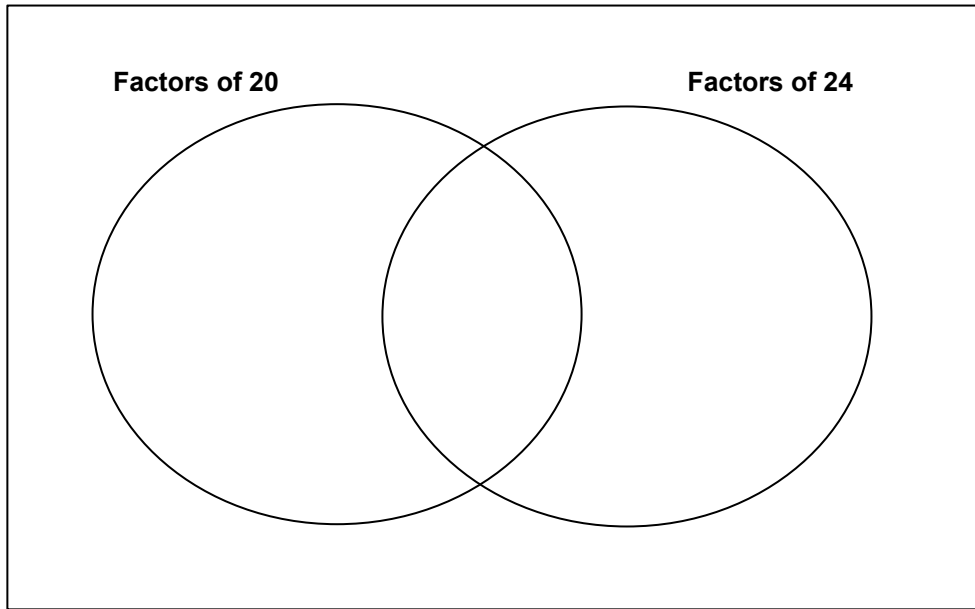
Put prime numbers in the boxes to make the calculation correct.

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

1 mark

4

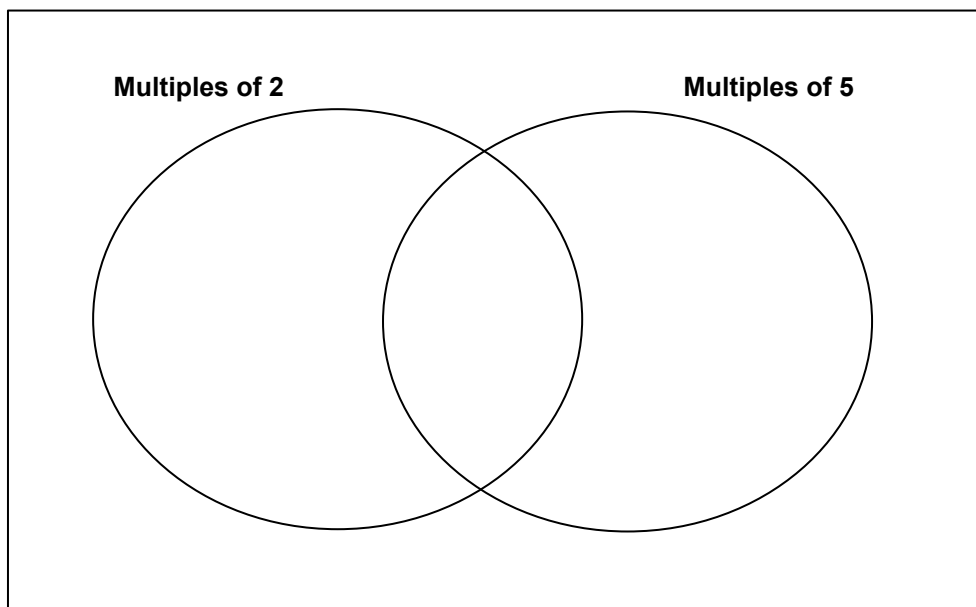
Write these numbers in the correct place on the Venn diagram: **1, 2, 3, 4, 5, 6, 10, 12, 20, 24**



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**

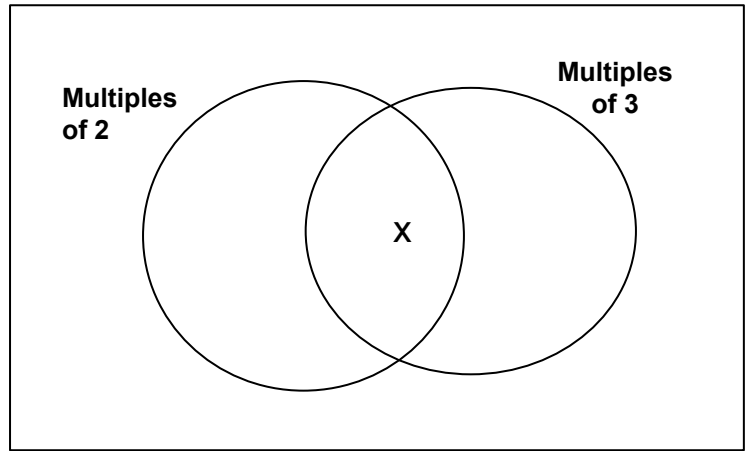


1 mark

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').

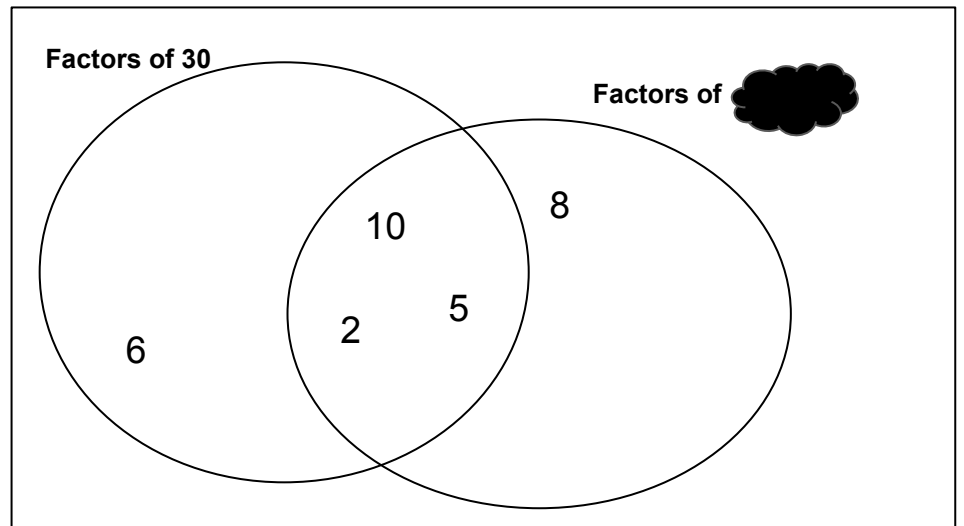


Is Stanley right or wrong? Explain your answer.

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 spot?

Answer:

1 mark

Thank you for downloading this paper. I hope your Year 6 classes will find it a really useful revision aid. Please check out my new website ks2sats.co.uk for lots more FREE papers on topics such as

- Decimals
- Percentages
- Multiplication and division
 - Angles
 - Word problems
- Ratio and proportion
- Transformations
 - Money
 - Mass
 - Length
- Area and perimeter, and more.

The website also has *videos of me working through each paper*, so that once pupils have completed the paper they can get help with any questions that they got wrong, and watch a worked-example of how to solve it correctly!

I'd love to have your feedback, so if you have any requests for papers or questions, just let me know.

Thanks - Andrew Jeffrey



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