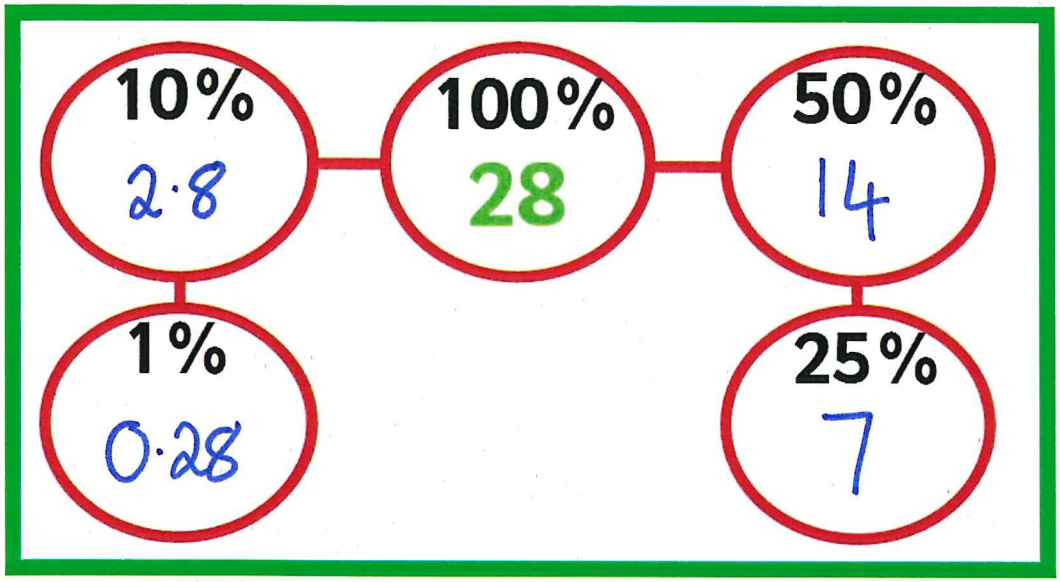
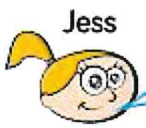
03/02/21



a) 20% of 40
b) 40% of 280
c) 60% of 80
d) 30% of 410
e) 25% of 48
f) 15% of 120

a) 8
b) 112
c) 48
d) 123
e) 12
f) 18

Four children in a class were asked to find 20% of an amount, this is what they did:



Jess: I divided by 5 because 20% is the same as one fifth.

Hannah: I found one percent by dividing by 100, then I multiplied my answer by 20

Aisha: I did 10% add 10%

Janet: I found ten percent by dividing by 10, then I multiplied my answer by 2

Who do you think has the most efficient method? Explain why.
Who do you think will end up getting the answer incorrect? I think Hannah.

$\frac{20}{100} = \frac{2}{10} = \frac{1}{5}$ so yes $\div 5$

$\frac{1}{100}$ the $\times 20$ works but two steps.

$\div 10$ then ~~double~~ add is quick

10% then double

} Your explanation.
I think Jess or Janet is most efficient

How many ways can you find 45% of 60?

Use similar strategies to find 60% of 45

What do you notice?

Does this always happen?
Can you find more examples?

Lots of ways!

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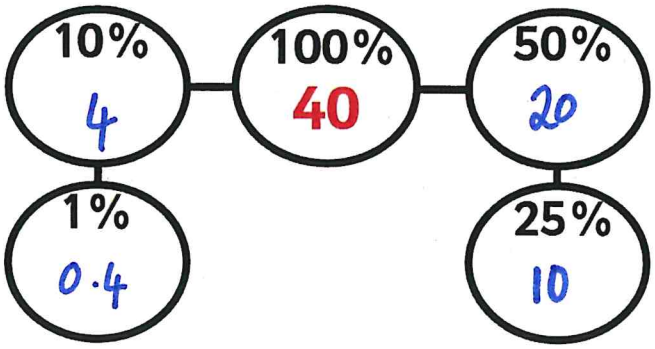
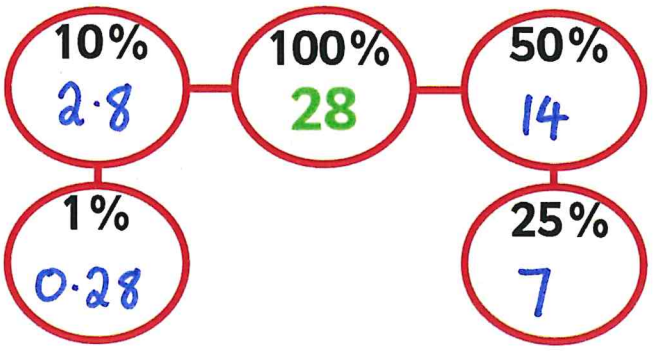
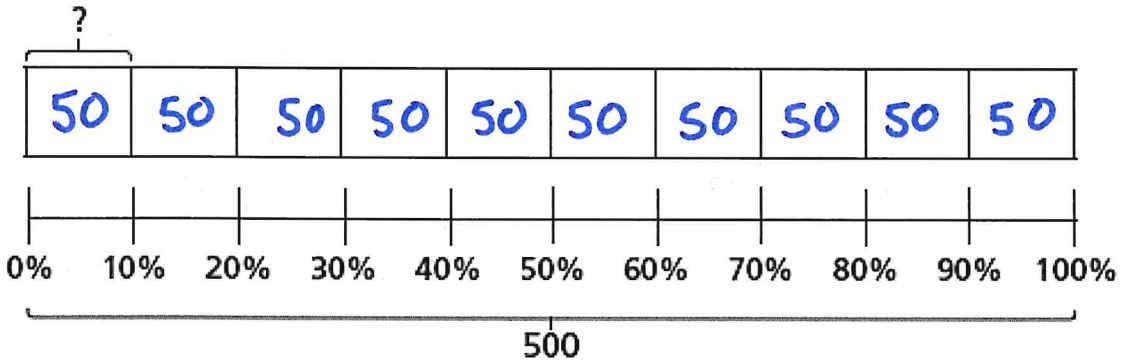




a) Use the bar model to find 10% of 500

500 ÷ 10 = 50



10% of 500 = 50

b) Use your answer to part a) to help you complete the calculations.

20% of 500 = 100

70% of 500 = 350

90% of 500 = 450

60% of 500 = 300

30% of 500 = 150

100% of 500 = 500