Use what you have learnt to calculate and reason about percentages

Decide whether these statements are true or false. Can you correct the statements that you decide are false?

a. 50% of 300 = 300 ÷ 50 = 6

b. 25% of 460 = 460 ÷ 4 = 115

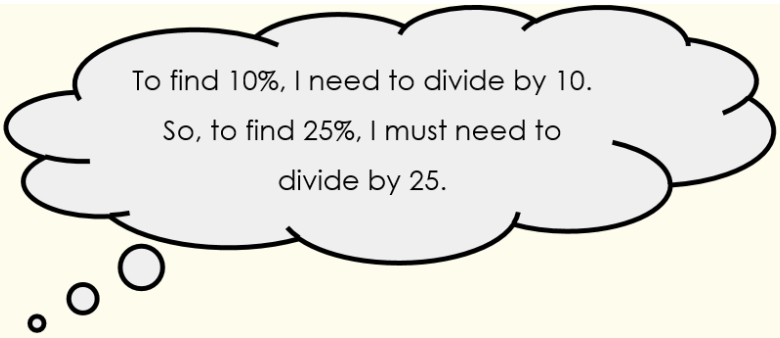
c. To find 1% of a number, we divide by 1.

d. To find 10% of a number, we divide by 10.

e. We can find 25% of a number by finding 50% and then halving it.

f. 1% of 6 km = 60 metres

Victoria says:



Is Victoria correct?

Explain why.

First find 10% and then use this to find each unknown percentage.

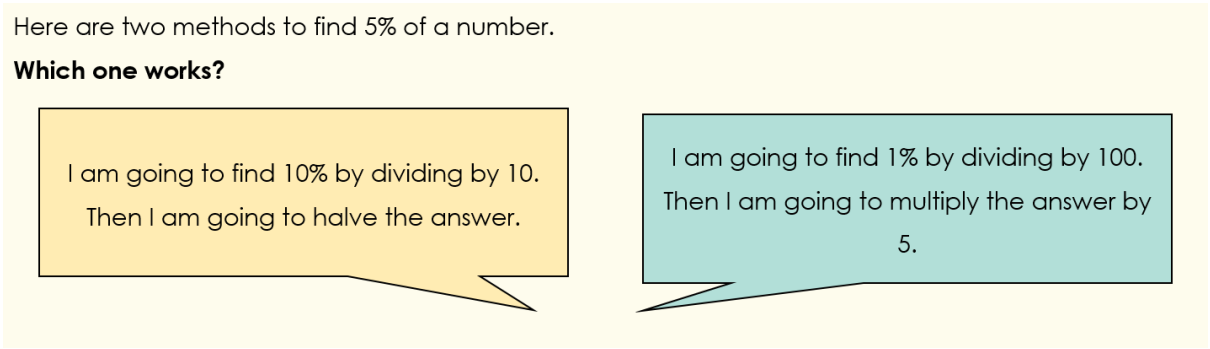
a. 20% of £30 =

b. 30% of 900kg =

c. 70% of 800ml =

d. 40% of 1km =

e. 90% of £2.50 =



Use what you know about percentages to solve these everyday problems:

Q1. In a survey of 650 pupils, 45% of them said that maths was their favourite subject.

How many children is this?

Q2. A new Xbox costs £340 but Argos have one on special offer at 15% off. What is the new price in Argos?

Q3 Game is offering the latest Switch console and two games for £425 whilst the same package is on offer in Sainsbury's for 20% off the original price of £500. Which is the better offer?

Q4. Last week 250,000 people received their first vaccine injection in Hereford.

10% of them were vaccinated on Monday and 25% of them were vaccinated on Tuesday.

How many were vaccinated during the rest of the week?