

Friday Medium - LO: to find a whole from a known percentage.

Varied fluency

6a. Complete the bar model.

48%			
12%			

★ VF

7a. Which two facts help to calculate:

15% of 90 =

A. $90 \div 10 = 9$

B. $50\% \text{ of } 90 = 45$

C. $5\% \text{ is half of } 10\%$

★ VF

Complete the calculation.

8a. True or false?

If $36\% = 45$ then $4\% = 9$

★ VF

9a. Find the missing values.

5% of 60 =

42% of = 84

10% of 30 =

25% of = 15

★ VF

10a. A sweet shop makes 48% of its yearly profit in the month of December.

This December they made a profit of £4,800.

How much was their profit for the whole year?

★ VF

Reasoning and problem solving

4a. The children disagree about how to find 22% of 500.

22% is 110 because 22% of 100 is 22 and 22% of 500 is five times this.

Lucie

10% of 500 is 50, so 22% must be 72.

Marcus

★ R

Who do you agree with and why?

5a. What could the missing values be?

	<input style="width: 30px;" type="text"/> %	
	of	
12%	<input style="width: 40px;" type="text"/>	= <input style="width: 40px;" type="text"/>
of		
	= 90	

★ PS

Find 2 possible solutions.

6a. A garden centre has 200 plants.

85% of the plants are roses. 60% of the roses are red, and the rest are yellow.

How many yellow roses are there?

85% of 200	
60%	?

★ PS