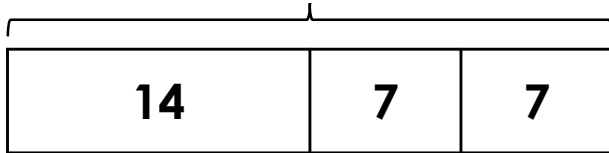


Percentages – Missing Values

5a. Find the whole by using the bar model below to help you.

20%

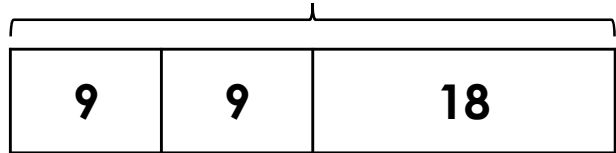


VF

Percentages – Missing Values

5b. Find the whole by using the bar model below to help you.

40%



VF

6a. Circle the two facts could that help you complete the calculation below.

$$21\% \text{ of } 90 = \boxed{?}$$

- A. $90 \div 10 = 9$
- B. $50\% \text{ of } 90 = 45$
- C. $9 \div 10 = 0.9$



VF

6b. Circle the two facts that could help you complete the calculation below.

$$11\% \text{ of } 150 = \boxed{?}$$

- A. $150 \div 2 = 75$
- B. $10\% \text{ of } 150 = 150 \div 10$
- C. $1\% = 10\% \div 10$



VF

7a. Find the missing values.

$$\begin{aligned} 5\% \text{ of } 60 &= \boxed{} \\ 10\% \text{ of } \boxed{} &= 84 \\ 41\% \text{ of } 30 &= \boxed{} \\ 25\% \text{ of } \boxed{} &= 15 \end{aligned}$$



VF

7b. Find the missing values.

$$\begin{aligned} 9\% \text{ of } 200 &= \boxed{} \\ 35\% \text{ of } \boxed{} &= 140 \\ 15\% \text{ of } 70 &= \boxed{} \\ 71\% \text{ of } \boxed{} &= 504.1 \end{aligned}$$



VF

8a. A sweet shop makes 45% of its yearly profit in the month of December.

This December they made a profit of £5,400.

How much was their profit for the whole year?



VF

8b. The local pool uses 35% of the total water to run the water slides.

The total water used by the swimming pool is 12,000 gallons.

How much water do the slides use?



VF

Percentages – Missing Values

9a. If 49% of a whole is 98, what number is the whole?

49%

98



VF

Percentages – Missing Values

9b. If 32% of a whole is 96, what number is the whole?

32%

96



VF

10a. Circle the two facts could that help you complete the calculation below.

93% of 350 =

- A. $350 \div 70 = 5$
- B. $10\% \text{ of } 35 = 3.5$
- C. $3 \times 3.5 = 10.5$



VF

10b. Circle the two facts that could help you complete the calculation below.

4% of 240 =

- A. $240 \div 50 = 4.8$
- B. $2\% = 10\% \div 5$
- C. $10\% \text{ of } 240 = 24$



VF

11a. Find the missing values.

7.5% of 150 =

64% of = 192

19.5% of 260 =

14% of = 21



VF

11b. Find the missing values.

21.5% of 540 =

89% of = 178

3.5% of 120 =

31% of = 43.4



VF

12a. A gardener is mixing compost and manure for his allotment. He makes 7kg of soil in total.

His final product is 62.5% manure.

How much manure did he use?
Give your answer in kilograms.



VF

12b. A chef is making fudge. He mixes peanut butter and sugar together. He makes 6kg of fudge in total.

The final product is 72.5% peanut butter.

How much peanut butter did he use?
Give your answer in kilograms.



VF