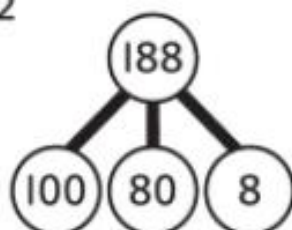


Dividing a 3-digit number by a 1-digit number

1 Work out these calculations using the part-whole models.

a) $188 \div 2$

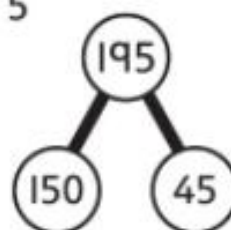


$$100 \div 2 = \boxed{} \quad 80 \div 2 = \boxed{} \\ 8 \div 2 = \boxed{}$$

$$\boxed{} + \boxed{} + \boxed{} = \boxed{}$$

$$\text{So, } 188 \div 2 = \boxed{}$$

c) $195 \div 5$

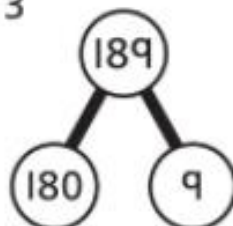


$$150 \div 5 = \boxed{} \quad 45 \div 5 = \boxed{}$$

$$\boxed{} + \boxed{} = \boxed{}$$

$$\text{So, } 195 \div 5 = \boxed{}$$

b) $189 \div 3$

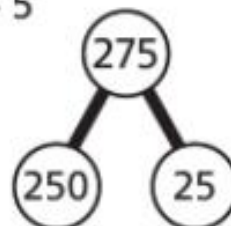


$$180 \div 3 = \boxed{} \quad 9 \div 3 = \boxed{}$$

$$\boxed{} + \boxed{} = \boxed{}$$

$$\text{So, } 189 \div 3 = \boxed{}$$

d) $275 \div 5$



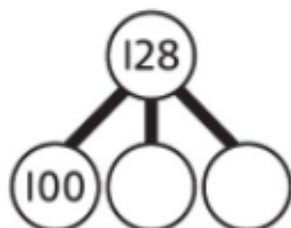
$$250 \div 5 = \boxed{} \quad 25 \div 5 = \boxed{}$$

$$\boxed{} + \boxed{} = \boxed{}$$

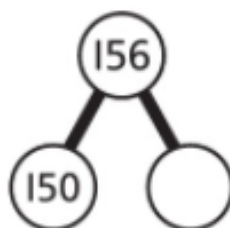
$$\text{So, } 275 \div 5 = \boxed{}$$

2 Complete the part-whole models and then complete the divisions.

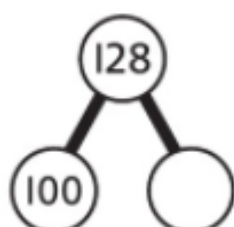
a) $128 \div 2 = \square$



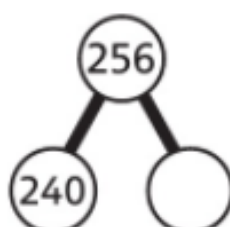
c) $156 \div 3 = \square$



b) $128 \div 2 = \square$



d) $256 \div 4 = \square$



3 Find answers to the following calculations.

a) $185 \div 5 = \square$



c) $312 \div 2 = \square$



b) $264 \div 6 = \square$



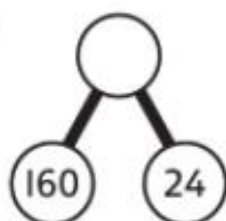
d) $372 \div 3 = \square$



- 4 What are the division questions shown by these diagrams?



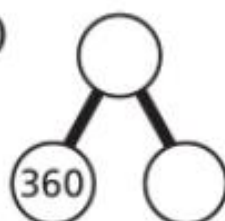
a)



$$160 \div 4 = 40 \text{ and } 24 \div 4 = 6$$

$$\square \div 4 = \square$$

b)

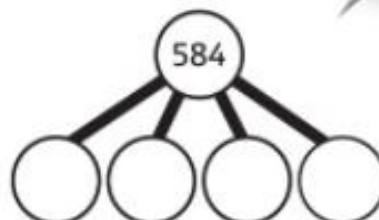
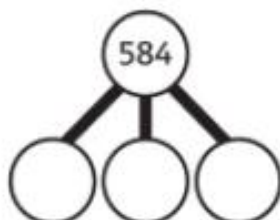
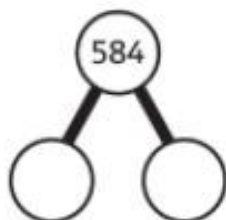


$$360 \div 9 = \square \text{ and } \square \div 9 = 3$$

$$\square \div 9 = \square$$

- 5 Show three different partitions that will help you to work out $584 \div 4$.

CHALLENGE



Reflect

Explain how you would work out $172 \div 4$. Why does this method work?

- _____
- _____
- _____
- _____