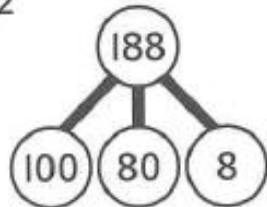


Dividing a 3-digit number by a 1-digit number

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

a) $188 \div 2$

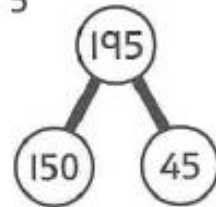


$$100 \div 2 = \square \quad 80 \div 2 = \square$$
$$8 \div 2 = \square$$

$$\square + \square + \square = \square$$

So, $188 \div 2 = \square$

c) $195 \div 5$

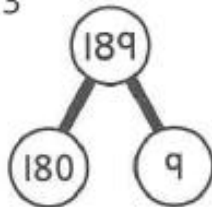


$$150 \div 5 = \square \quad 45 \div 5 = \square$$

$$\square + \square = \square$$

So, $195 \div 5 = \square$

b) $189 \div 3$

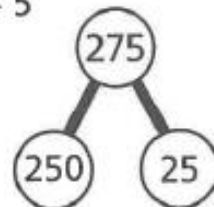


$$180 \div 3 = \square \quad 9 \div 3 = \square$$

$$\square + \square = \square$$

So, $189 \div 3 = \square$

d) $275 \div 5$



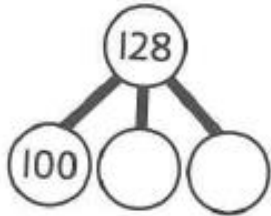
$$250 \div 5 = \square \quad 25 \div 5 = \square$$

$$\square + \square = \square$$

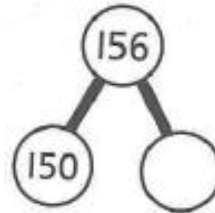
So, $275 \div 5 = \square$

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

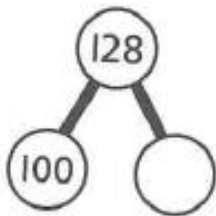
a) $128 \div 2 = \square$



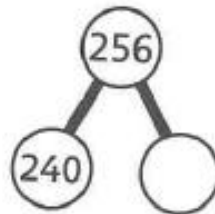
c) $156 \div 3 = \square$



b) $128 \div 2 = \square$



d) $256 \div 4 = \square$




3 Find answers to the following calculations.

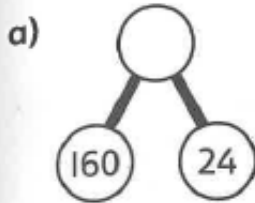
a) $185 \div 5 = \square$

c) $312 \div 2 = \square$

b) $264 \div 6 = \square$

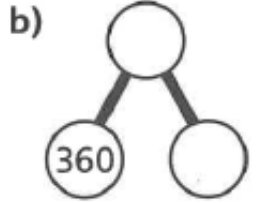
d) $372 \div 3 = \square$

4 What are the division questions shown by these diagrams? 



$160 \div 4 = 40$ and $24 \div 4 = 6$

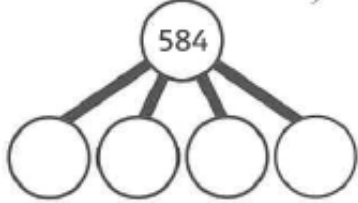
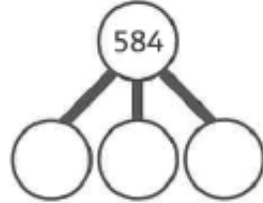
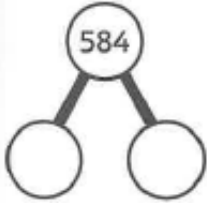
$\div 4 =$



$360 \div 9 =$ and $\div 9 = 3$

$\div 9 =$

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



Reflect

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