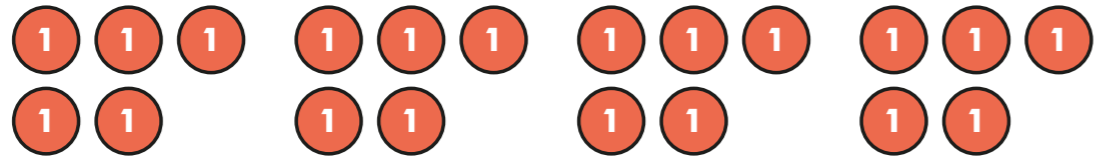
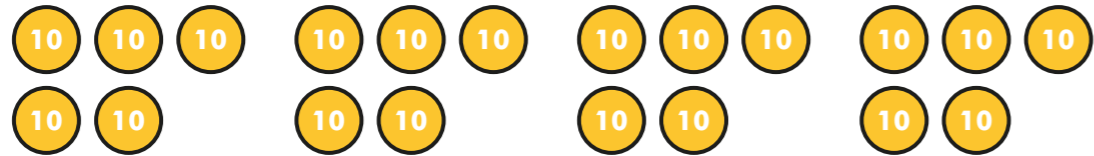


Reason from known facts

1 a) What multiplications are represented?



$$\square \times \square = \square$$



$$\square \times \square = \square$$



$$\square \times \square = \square$$

b) How do the representations in part a) show related facts?

c) Draw counters to show how to calculate 4×0.5

$$\square \times \square = \square$$

2 Complete the calculations.

a) $5 \times 7 = \square$

$50 \times 7 = \square$

$500 \times 7 = \square$

c) $8 \times 9 = \square$

$72 \div 9 = \square$

$720 \div 9 = \square$

$720 \div 8 = \square$

b) $6 \times 3 = \square$

$6 \times 300 = \square$

$30 \times 6 = \square$

d) $12 \times 5 = \square$

$600 \div 12 = \square$

$6,000 \div \square = 12$

$300 \div 12 = \square$

3

$85 \times 5 = 425$

Complete the calculations.

$85 \times 50 = \square$

$425 \div 85 = \square$

$85 \times 500 = \square$

$425 \div 5 = \square$

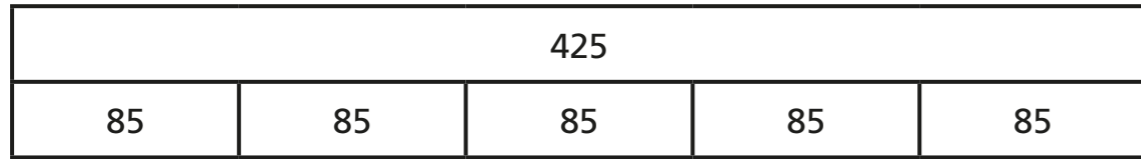
$85 \times 5,000 = \square$

$4,250 \div 5 = \square$

$4,250 \div 850 = \square$



4 The bar model shows $85 \times 5 = 425$



Explain how to work out these calculations from the given fact.

$85 \times 6 = \square$

$86 \times 5 = \square$

5 Match the calculations that give the same answer.

$4,251 - 1,750$

$2,502 + 1,749$

$5,251 - 1,750$

$2,500 + 1,750$

$4,249 - 1,750$

$5,250 - 1,749$

$2,501 + 1,750$

$4,250 - 1,749$

$2,501 + 1,749$

$4,250 - 1,751$

Explain your method to a partner.

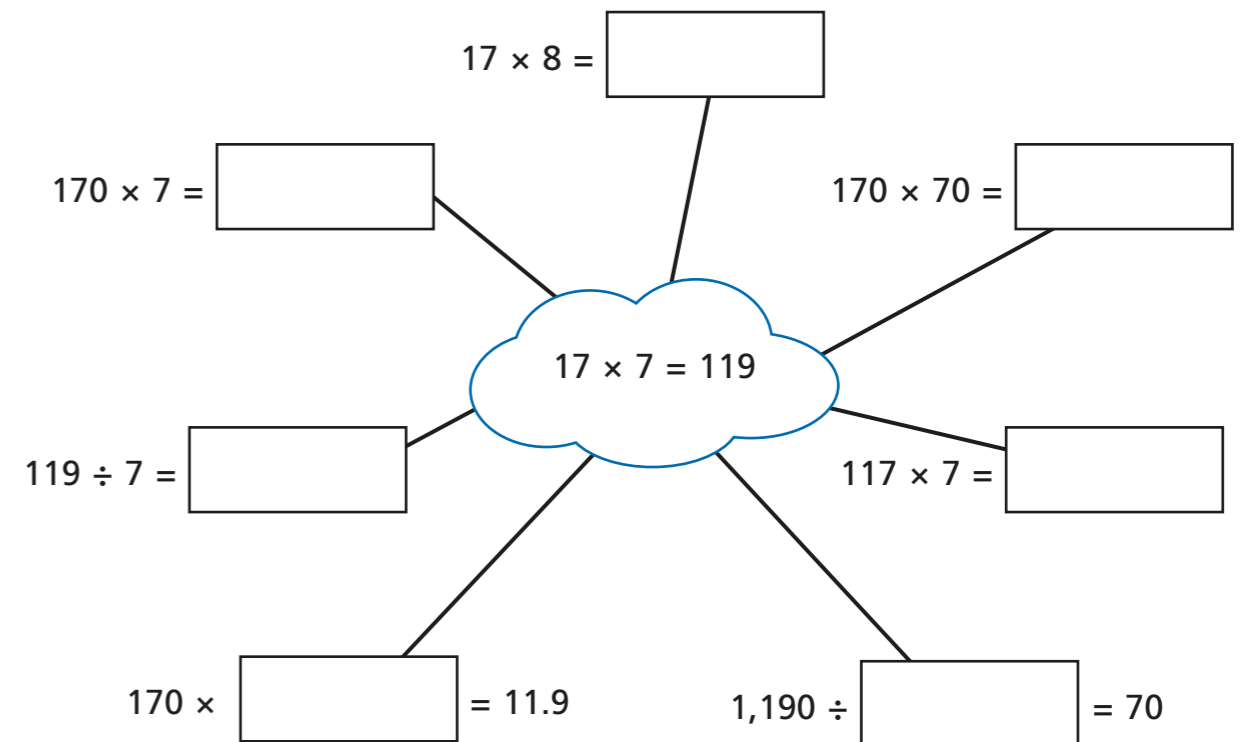


6 Eva has a 630 cm piece of ribbon.
She uses $\frac{4}{9}$ of the ribbon on a dress.

What length of ribbon does she use on the dress?



7 Use the central calculation to complete the related facts.



8 Ron buys 8 cans for 99p each.



Annie buys 9 cans for 98p each.



What is the difference between the amounts they spend?

What is the most efficient way of working this out?

