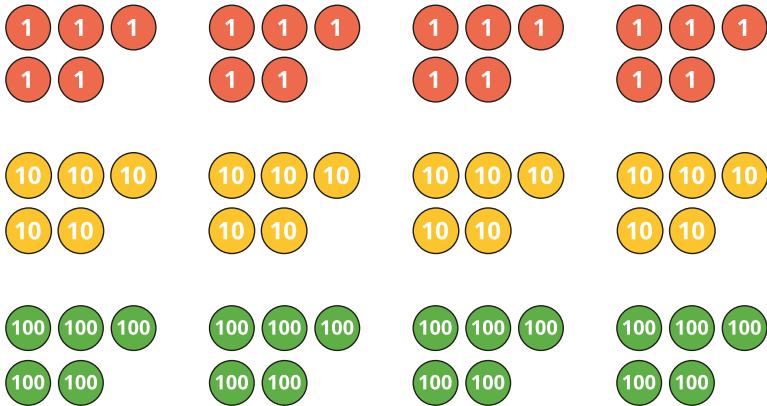**White Rose MATHS**

1 **a)** What multiplications are represented?

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

c) Draw counters to show how to work out 4 × 0.5

2 Work out the calculations.

a) 5 × 7

  50 × 7

  500 × 7

c) 8 × 9

  72 ÷ 9

  720 ÷ 9

  720 ÷ 8

b) 6 × 3

  6 × 300

  30 × 6

d) 12 × 5

  600 ÷ 12

  6,000 ÷ ☐ = 12

  300 ÷ 12

3

4,625 + 3,709 = 8,334

Use this fact to work out the calculations.

a) 3,709 + 4,625

b) 8,334 − 3,709

c) 46,250 + 37,090

d) 4,625 + 3,709 = 4,630 + ☐

e) 4,625 + 3,709 = ☐ + 3,700

f) 8,334 − 3,709 = ☐ − 3,700

4 The bar model shows 85 × 5 = 425
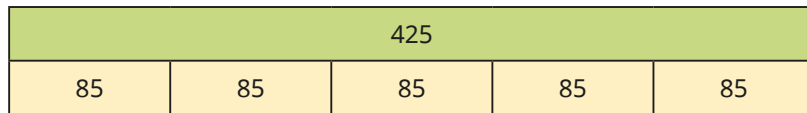
425				
85	85	85	85	85

Use the bar model to work out the calculations.

  85 × 6   86 × 5

Explain your method to a partner.

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.

3

$$4,625 + 3,709 = 8,334$$

Use this fact to work out the calculations.

a) 3,709 + 4,625
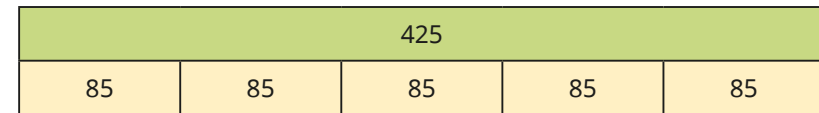
d) 4,625 + 3,709 = 4,630 + ☐

b) 8,334 − 3,709

e) 4,625 + 3,709 = ☐ + 3,700

c) 46,250 + 37,090

f) 8,334 − 3,709 = ☐ − 3,700

4 The bar model shows 85 × 5 = 425

425				
85	85	85	85	85

Use the bar model to work out the calculations.

85 × 6   86 × 5

Explain your method to a partner.

5 Match the calculations that give the same answer.

4,251 − 1,750

5,251 − 1,750

4,249 − 1,750

2,501 + 1,750

2,501 + 1,749

2,502 + 1,749

2,500 + 1,750

5,250 − 1,749

4,250 − 1,749

4,250 − 1,751

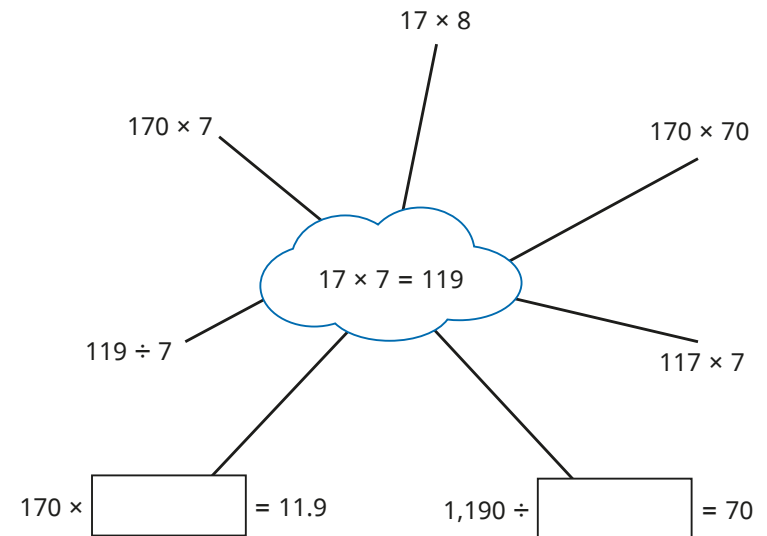Explain your method to a partner.

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 multiplication in the centre to work out the related facts.

17 × 8

170 × 7

170 × 70

17 × 7 = 119

119 ÷ 7

117 × 7

170 × ☐ = 11.9   1,190 ÷ ☐ = 70

8 Ron buys 8 cans for 99p each.

99p

Annie buys 9 cans for 98p each.

98p

What is the difference between the amounts they spend?

What is the most efficient way of working this out?