

Ratios and Quantities Extra Challenge

I can use multiplication and division facts to solve ratio problems.



1. Distribute the following in the ratios shown:

£120 - 2:3	36 people - 1:3
90kg - 4:5	£189 - 4:5
12 litres - 3:2	£99 - 3:7

2. Fill in the missing numbers of these equivalent sets of ratios, the first in each set is the ratio in its simplest form:

a.

8 :
40 : 35
: 42
80 :

b.

1 :
5 : 30
: 48
13 :

c.

5 :
15 : 24
30 :
55 :

d.

9 :
36 :
: 28
117 : 52

e.

: 5
4 :
14 : 35
: 55

f.

8 :
40 : 45
: 63
96 :

Ratios and Quantities Extra Challenge - Answers

1. Distribute the following in the ratios shown:

£120 - 2:3 £48 : £72	36 people - 1:3 9 people : 27 people
90kg - 4:5 40kg : 50kg	£189 - 4:5 £84 : £105
12 litres - 3:2 7.2l : 4.8l	£99 - 3:7 £29.70 : £69.30

2. Fill in the missing numbers of these equivalent sets of ratios, the first in each set is the ratio in its simplest form:

a.

8 : 7
40 : 35
48 : 42
80 : 70

b.

1 : 6
5 : 30
8 : 48
13 : 78

c.

5 : 8
15 : 24
30 : 48
55 : 88

d.

9 : 4
36 : 16
63 : 28
117 : 52

e.

2 : 5
4 : 10
14 : 35
22 : 55

f.

8 : 9
40 : 45
56 : 63
96 : 108