1. (a)   Simplify the ratio 25 : 35

....
(1)

(b)   Simplify the ratio 18 : 45

....
(1)

(c)   Simplify the ratio 300 : 25

....
(1)

2.   Divide £700 in the ratio 5 : 3 : 2

£............... £............... £...............
(3)

3. Alex and Thomas share 30 sweets.
    They divide them in the ratio 3:2.

    How many sweets does Thomas have?

    ....
    (2)

4. Sophie has 60 pencils.
    The ratio of sharpened pencils to blunt pencils is 4:1

    How many sharpened pencils does Sophie have?

    ....
    (2)

5. The number of people who voted for the Green Party in an election was 1500.
The number of people who voted for the Blue Party was 9000.

Write the ratio of Green Party voters to Blue Party voters in its simplest form.

....

(2)

6. A piece of carpet is 240cm long.
Mr Jones cuts it into three pieces in the ratio 1 : 2 : 5

Work out the length of the longest piece of carpet.

....

(3)

7.   Sarah has some chocolates.

24 are white chocolate.
16 are milk chocolate.
8 are dark chocolate.

(a) Write down the ratio of white chocolate to milk chocolate to dark chocolate.
      Give your ratio in its simplest form.

.... : .... : ....
(2)

Rachel has some apples and bananas.
The ratio of apples to bananas is 2 : 3
She has 14 apples.

(b) Work out how many bananas Rachel has.

....
(2)

8.   Chris and Molly win money in a competition.
     They share the money in the ratio 2 : 3
     Molly receives £240.

     (a) How much money does Chris receive?

                                                    £..........................
                                                                    (2)

     (b) How much money did they win in the competition?

                                                    £..........................
                                                                    (1)

_____

9.   Divide £945 in the ratio 2 : 5

                                  £......................... £..........................
                                                                    (2)

10. At a rugby match, the ratio of children to adults is 2 : 3
    There are 80 children in the crowd.
    Each adult ticket costs £8
    Each child ticket costs a quarter of the adult ticket.

    Work out the total money made from ticket sales.

    £.........................
    (4)

___

11. Charlene and Danielle share some money in ratio 2 : 3
    Danielle gets £25 more than Charlie.

    How much does each girl receive?

    Charlene £.........................

    Danielle £.........................
    (3)

12. The ratio of boys to girls in a school is 4 : 5
There are 220 boys in the school.

How many students attend the school?

....
(3)

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13. The ratio of girls to boys in a class is 2 : 3

What fraction of the class are girls?

....
(1)

What percentage of the class are boys?

....
(1)

14.   The angles in a triangle are in the ratio 1 : 2 : 9

      What is the size of the largest angle?

                                                          ....
                                                          (2)

_____

15.   Three angles are in the ratio 2 : 3 : 5
      The smallest angle is 50^0

      Work out the sizes of the other two angles

                                          .... and ....
                                                          (2)