

Ratio

T5: Amalgamating Ratios

- 1 Ewen has 48 white tiles and 16 blue tiles
- a Write down the ratio of the number of white tiles to the number of blue tiles, giving your answer in its simplest form.

The cost of each white tile was £3 and the cost of each blue tile was £5.

- b Work out the total ratio of the total cost white tiles to the total cost of blue tiles.
- c Give the ratio of the cost of blue tiles to the cost of white tiles in the form 1:n
- 2 A farm sells tulips.
- After harvesting, the farmer collects 192 red tulips, 244 black tulips and 960 yellow tulips.
- a Write down the ratio of the number of red to yellow to black tulips.
- Red tulips cost £4.50 each. Black tulips cost £6.00 each and yellow tulips cost 75p each.
- b Write down the proportions of the total cost of the red to the total cost of the black to the total cost of the yellow tulips.

- 3 A shop sells packs of black pens, packs of red pens and packs of green pens.

There are:

4 pens in each pack of black pens

10 pens in each pack of red pens

12 pens in each pack of green pens

One week, the proportion of packs of pens sold were:

Red packs sold : Black packs sold: Green packs sold were 4:9:11

In that same week, altogether 1032 pens were sold.

How many packs of green pens were sold?