

Question of the day

Day 10

Maria mixes white paint and red paint in the ratio 2 : 3.
She makes a total of 15 litres of paint.

How much more red paint does she need to add to the mixture so that the ratio of white paint to red paint becomes 1 : 5?

W : R
2 : 3 list until they total 15
×2 4 : 6
×3 6 : 9 = 15 litres

We now want this ratio to be 1 : 5

Therefore 6 litres of white = 1 part of the new ratio

6 × 5 to calculate the number of litres of red paint
= 30 litres

We already have 9 litres

30 litres - 9 litres = 21 litres

..... litres [4]

Foundation