

Daily 10

300×9

$3 \times 3 \times 3$

$2.81 + 0.006$

25×6

231×4

$81 \text{ divided by } 9$

$\underline{\hspace{2cm}} = 587 + 3927$

$40 \% \text{ of } 2350$

$\frac{3}{5} + 1 \frac{1}{6}$

$2520 \text{ divided by } 15$



Solving Ratio Problems

I can solve ratio problems.



Solve these Ratio problems, show your working out. It may help to draw a chart to help you answer the questions.

1. Ali has invited 12 friends round for supper. He is cooking curry and rice. He needs 150g of uncooked rice per person. How many grams of rice does he need? Don't forget - Ali will be eating too!

2. Steffi is painting her house. She has calculated she needs 40 litres of paint in total. She has decided to mix pink paint. She will need 3 litres of white for every 2 litres of red. How many litres of each colour will she need to buy?

3. In a pack of balloons, there are 3 different colours: red, blue and green. The ratio is 5:2:1 (red: blue: green). If there are 8 blue balloons in the pack, how many balloons are there in total?

4. Susie is saving for a new pair of trainers. Every week she saves £5 of her pocket money and her mum gives her £3. If the trainers cost £56, how many weeks will it take her to have enough money to buy them? How much money will she have saved and how much will her mum have given?

5. At a party there are three sorts of drinks: orange, lemonade and cherry. The ratio of the drinks is 3:2:1 (orange:lemonade:cherry). If there are 12 glasses of orange, how many glasses of drink are there altogether?

6. Class 6 do a survey to find out which sport children like best. For every child who said they like rounders, there were three children who liked football and two who said they like swimming best. There were 20 children who said they liked swimming. How many children took part in the survey?

7. A printing press prints 120 sheets in 3 minutes. How many sheets are printed in 30 minutes?

8. Farmer Giles and Farmer Jones have chickens. Farmer Giles' chickens lay 2 brown eggs for every 5 white eggs. Farmer Jones' chickens lay 3 brown egg for every 4 white eggs. On Monday Farmer Giles' chickens laid 35 eggs and Farmer Jones' chickens laid 28 eggs. Which farmer's chickens laid more brown eggs?
