

Calculating the Total from a Fraction of an Amount

1. In a flower shop, $\frac{7}{12}$ of the tulips are red.

If there are 805 red tulips, how many tulips are there in total in the shop?

2. In the local town, $\frac{6}{8}$ of the houses have a green front door.

If there are 768 green front doors, how many houses are there in the town in total?

3. In the crowd of spectators at a football match, $\frac{3}{4}$ of the people have scarves on.

If there are 1644 people wearing scarves, how many people are there in total watching the match?

4. In a car park, $\frac{4}{7}$ of the vehicles have a sun roof.

If there are 1548 vehicles with sun roofs, how many vehicles in total are there in the car park?

5. In a crate of marbles, $\frac{2}{3}$ of the marbles are blue.

If there are 1578 blue marbles, how many marbles are there in the crate in total?

6. Daniel swam $\frac{9}{10}$ of the distance needed to receive his next swimming badge.

If he swam 4950 metres, what was the total distance needed to receive the badge?

7. The recipe for a large cake says to use $\frac{3}{5}$ of a bag of sugar.

If the recipe uses 1335 grams of sugar, how many grams of sugar were in the bag in total?

8. Hardeep is making a fruit smoothie. He uses $\frac{7}{9}$ of a carton of apple juice.

If he uses 952 millilitres of apple juice, what was the volume of juice in the whole carton?

9. An electronics shop is having a sale. The price of a television is $\frac{5}{6}$ of the original price.

If the sale price of the television is £955, what was the original price?

10. Sarah's school held a sponsored silence. They raised $\frac{11}{12}$ of their target amount.

If the school raised £10 450, what was the target amount for the sponsored silence?