

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

2. In a row of houses, $\frac{6}{8}$ have a green front door.
If there are 54 green front doors, how many houses are there in the row in total?

3. In a café, $\frac{3}{4}$ of the table cloths have spots on.
If there are 39 spotty table cloths, how many table cloths are there in total in the café?

4. In a car park, $\frac{4}{7}$ of the vehicles have a sun roof.
If there are 60 vehicles with sun roofs, how many vehicles in total are there in the car park?

5. In a box of chocolates, $\frac{2}{3}$ of the chocolates have a caramel centre.
If there are 84 caramel centred chocolates, how many chocolates are there in the box in total?

6. Daniel swam $\frac{5}{6}$ of the distance needed to receive his next swimming badge.
If he swam 85 metres, what was the total distance that he needed to swim in order to receive the badge?

7. The recipe for a cupcake says to use $\frac{3}{5}$ of a cup of sugar.
If the recipe uses 78 grams of sugar, how many grams in total were there in the cup?

8. Hardeep is making a fruit smoothie. He uses $\frac{7}{9}$ of a cup of apple juice.
If he uses 84 millilitres of apple juice, what was the volume of juice in the whole cup?

9. A clothes shop is having a sale. The price of a pair of trainers is $\frac{7}{10}$ of the original price.
If the sale price of the trainers is £49, 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 £99, what was the target amount for the sponsored silence?

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

2. In a row of houses, $\frac{6}{8}$ have a green front door.
If there are 192 green front doors, how many houses are there in the row in total?

3. In the crowd of spectators at a football match, $\frac{3}{4}$ of the people have scarves on.
If there are 135 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 188 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 210 blue marbles, how many marbles are there in the crate in total?

6. Daniel swam $\frac{5}{6}$ of the distance needed to receive his next swimming badge.
If he swam 1250 metres, what was the total distance that he needed to swim in order to receive the badge?

7. The recipe for a cake says to use $\frac{3}{5}$ of a bag of sugar.
If the recipe uses 165 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 476 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 $\frac{7}{10}$ of the original price.
If the sale price of the television is £616, 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 £418, what was the target amount for the sponsored silence?

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?

Calculating the Total from a Fraction of an Amount **Answers**

1. In a flower shop, $\frac{7}{12}$ of the tulips are red.
If there are 56 red tulips, how many tulips are there in total in the shop? **96 tulips**

2. In a row of houses, $\frac{6}{8}$ have a green front door.
If there are 54 green front doors, how many houses are there in the row in total? **72 houses**

3. In a café, $\frac{3}{4}$ of the table cloths have spots on.
If there are 39 spotty table cloths, how many table cloths are there in total in the café? **52 table cloths**

4. In a car park, $\frac{4}{7}$ of the vehicles have a sun roof.
If there are 60 vehicles with sun roofs, how many vehicles in total are there in the car park? **105 vehicles**

5. In a box of chocolates, $\frac{2}{3}$ of the chocolates have a caramel centre.
If there are 84 caramel centred chocolates, how many chocolates are there in the box in total? **126 chocolates**

6. Daniel swam $\frac{5}{6}$ of the distance needed to receive his next swimming badge.
If he swam 85 metres, what was the total distance that he needed to swim in order to receive the badge? **102 metres**

7. The recipe for a cupcake says to use $\frac{3}{5}$ of a cup of sugar.
If the recipe uses 78 grams of sugar, how many grams in total were there in the cup? **130 grams**

8. Hardeep is making a fruit smoothie. He uses $\frac{7}{9}$ of a cup of apple juice.
If he uses 84 millilitres of apple juice, what was the volume of juice in the whole cup? **108 millilitres**

9. A clothes shop is having a sale. The price of a pair of trainers is $\frac{7}{10}$ of the original price.
If the sale price of the trainers is £49, what was the original price? **£70**

10. Sarah's school held a sponsored silence.
They raised $\frac{11}{12}$ of their target amount.
If the school raised £99, what was the target amount for the sponsored silence? **£108**

Calculating the Total from a Fraction of an Amount **Answers**

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

If there are 168 red tulips, how many tulips are there in total in the shop?

288 tulips

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

If there are 192 green front doors, how many houses are there in the row in total? **256 houses**

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

If there are 135 people wearing scarves, how many people are there in total watching the match? **180 people**

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

If there are 188 vehicles with sun roofs, how many vehicles in total are there in the car park? **329 vehicles**

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

If there are 210 blue marbles, how many marbles are there in the crate in total?

315 marbles

6. Daniel swam $\frac{5}{6}$ of the distance needed to receive his next swimming badge.

If he swam 1250 metres, what was the total distance that he needed to swim in order to receive the badge? **1500 metres**

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

If the recipe uses 165 grams of sugar, how many grams of sugar were in the bag in total? **275 grams**

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

If he uses 476 millilitres of apple juice, what was the volume of juice in the whole carton? **612 millilitres**

9. An electronics shop is having a sale. The price of a television is $\frac{7}{10}$ of the original price.

If the sale price of the television is £616, what was the original price? **£880**

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

If the school raised £418, what was the target amount for the sponsored silence? **£456**

Calculating the Total from a Fraction of an Amount

Answers

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?

1380 tulips

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? **1024 houses**

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?

2192 people

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? **2709 vehicles**

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? **2367 marbles**

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? **5500 metres**

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? **2225 grams or 2.225kg**

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? **1224 millilitres or 1.224 litres**

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? **£1146**

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? **£11,400**