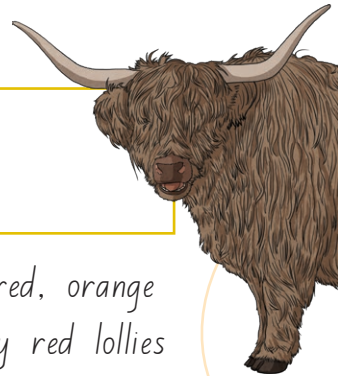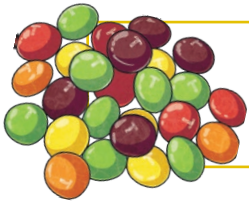# Finding Fractions of a Set Word Problems

Read the problems below carefully. Then, use the boxes to show your working out in order to solve the problem and record the answer in the answer box.

1. Farmer Brown has herds of cattle on his farm. He has 200 cows in total. $\frac{1}{4}$ of the cows are Highland cows. How many Highland cows does he have?

2. Arthur purchased a bag of lollies. In the bag, there were green, yellow, red, orange and purple lollies. He counted 40 lollies in total. $\frac{1}{2}$ were red. How many red lollies were there?

3. Aroha baked a batch of 24 cupcakes. She iced $\frac{1}{4}$ of them with chocolate icing. How many cupcakes had chocolate icing?

4. Matthew had $60 saved up in his bank account. He went to the shops and spent $\frac{1}{3}$ of it on a game. How much money did he have left?

5. Fleur owned a flower shop. In her shop are 50 bouquets of flowers. $\frac{1}{5}$ of them contain daffodils. How many bouquets have daffodils?

Finding Fractions of a Set Word Problems Answers

1. Farmer Brown has herds of cattle on his farm. He has 200 cows in total. $\frac{1}{4}$ of the cows are Highland cows. How many Highland cows does he have?

   50 Highland cows

2. Arthur purchased a bag of lollies. In the bag, there were green, yellow, red, orange and purple lollies. He counted 40 lollies in total. $\frac{1}{2}$ were red. How many red lollies were there?

   20 red lollies

3. Aroha baked a batch of 24 cupcakes. She iced $\frac{1}{4}$ of them with chocolate icing. How many cupcakes had chocolate icing?

   6 cupcakes

4. Matthew had $60 saved up in his bank account. He went to the shops and spent $\frac{1}{3}$ of it on a game. How much money did he have left?
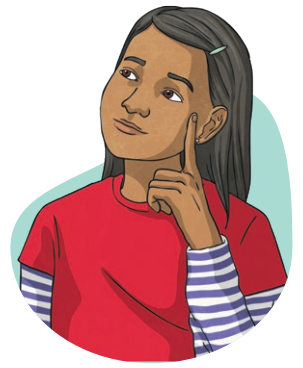
   $20

5. Fleur owned a flower shop. In her shop are 50 bouquets of flowers. $\frac{1}{5}$ of them contain daffodils. How many bouquets have daffodils?

   10 bouquets

Finding Fractions of a Set
Word Problems

Read the problems below carefully. Then, use the boxes to show your working out in order to solve the problem and record the answer in the answer box.

1. Max purchased some marbles at the toy shop. The packet had 40 marbles and $\frac{1}{8}$ of them were multicoloured. How many multicoloured marbles did Max get?
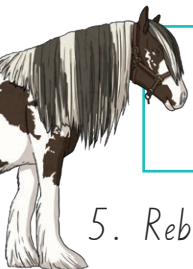
2. Hamish worked at a bird rescue centre. $\frac{1}{5}$ of the birds at the centre were blackbirds. He counted 60 birds in total. How many blackbirds were there?

3. Kate was planning a party. She needed 24kg of strawberries for the recipes she wanted to make. $\frac{1}{4}$ of the strawberries were for pavlovas. How many kgs of strawberries would Kate need for her pavlovas?

4. Curtis was a horse farmer. He had 56 horses on his farm. $\frac{1}{7}$ of them were Clydesdale horses. How many Clydesdale horses did he have?

5. Rebecca worked at a cafe. Each day the cafe sold 48 glasses of juice. $\frac{1}{8}$ of those glasses were apple juice. How many individual glasses of apple juice did they sell each day?

Finding Fractions of a Set Word Problems **Answers**

1. Max purchased some marbles at the toy shop. The packet had 40 marbles and $\frac{1}{8}$ of them were multicoloured. How many multicoloured marbles did Max get?

   5 multicoloured marbles

2. Hamish worked at a bird rescue centre. $\frac{1}{5}$ of the birds at the centre were blackbirds. He counted 60 birds in total. How many blackbirds were there?

   12 blackbirds

3. Kate was planning a party. She needed 24kg of strawberries for the recipes she wanted to make. $\frac{1}{4}$ of the strawberries were for pavlovas. How many kgs of strawberries would Kate need for her pavlovas?

   6kg

4. Curtis was a horse farmer. He had 56 horses on his farm. $\frac{1}{7}$ of them were Clydesdale horses. How many Clydesdale horses did he have?

   8 Clydesdale horses

5. Rebecca worked at a cafe. Each day the cafe sold 48 glasses of juice. $\frac{1}{8}$ of those glasses were apple juice. How many individual glasses of apple juice did they sell each day?

   6 glasses of apple juice

Finding Fractions of a Set Word Problems

Read the problems below carefully. Then, use the boxes to show your working out in order to solve the problem and record the answer in the answer box.
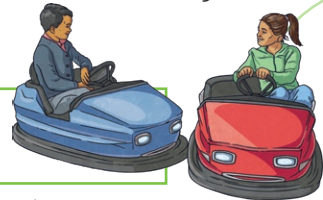
1. Maria works at an ice cream shop over the summer holidays. She sells 69 deluxe ice cream sundaes a day. $\frac{2}{3}$ of them are chocolate flavoured. How many chocolate sundaes are sold each day?

2. At the native animal sanctuary, the keepers are doing a headcount of all the animals. They have 45 tuatara currently in their care. $\frac{3}{5}$ of them are male. How many male tuatara do they have?
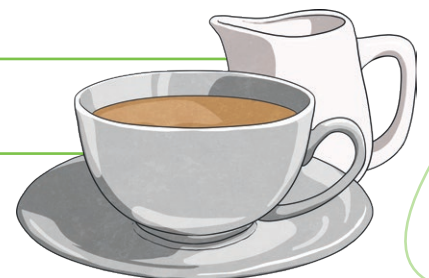
3. Rangi and Grace go to the amusement park. They ride the bumper cars 81 times. Rangi wins $\frac{6}{9}$ of the time. How many times does he win in total?

4. Maia and Steve shared a packet of multicoloured lollies. They counted them before eating and there were 84 in total. $\frac{4}{7}$ of them were green. How many green lollies were there?

5. Peter makes his coffee using 200ml of liquid. $\frac{3}{4}$ of the liquid is milk. How many millilitres of milk does he use in his coffee?

Finding Fractions of a Set Word Problems **Answers**

1. Maria works at an ice cream shop over the summer holidays. She sells 69 deluxe ice cream sundaes a day. $\frac{2}{3}$ of them are chocolate flavoured. How many chocolate sundaes are sold each day?

   46 chocolate sundaes

2. At the native animal sanctuary, the keepers are doing a headcount of all the animals. They have 45 tuatara currently in their care. $\frac{3}{5}$ of them are male. How many male tuatara do they have?

   27 male tuatara

3. Rangi and Grace go to the amusement park. They ride the bumper cars 81 times. Rangi wins $\frac{6}{9}$ of the time. How many times does he win in total?

   54 wins for Rangi

4. Maia and Steve shared a packet of multicoloured lollies. They counted them before eating and there were 84 in total. $\frac{4}{7}$ of them were green. How many green lollies were there?

   48 green lollies

5. Peter makes his coffee using 200ml of liquid. $\frac{3}{4}$ of the liquid is milk. How many millilitres of milk does he use in his coffee?

   150mls of milk