

# Max's Market Stall Fractions

*Learning objective: To recognise, find, and write fractions of a discrete set of objects and solve problems involving fractions.*

Read the story about Max the monkey's fruit stall and use your maths skills to answer the questions. Show your working out clearly.

Max the monkey has opened a fruit stall in the forest. He has a basket filled with 20 pieces of fruit to sell to his friends. In his basket, he has 5 bright red apples, 8 yellow bananas, 4 green pears, and 3 juicy oranges. Max loves to organise his fruit into neat piles and thinks that fractions are the best way to keep his stall tidy.

*Word bank: numerator · denominator · fraction · whole · part · equivalent*

**1. What fraction of the total fruit are the red apples? Write your answer as a fraction in its simplest form. (2 marks)**

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**2. Max sells  $\frac{1}{4}$  of his total fruit to Pip the caterpillar. How many pieces of fruit did Pip buy? (2 marks)**

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**3. If the 4 pears cost £1.00 in total, how much would one pear cost? Express the cost of one pear as a fraction of the total price. (2 marks)**

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**4. Max has 8 bananas. He gives  $\frac{3}{8}$  of them to Leo the lion. How many bananas does Leo have now? (2 marks)**

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**5. Is the fraction of pears ( $\frac{4}{20}$ ) equivalent to  $\frac{1}{5}$ ? Explain how you know. (2 marks)**

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**Draw:** Draw Max's basket of 20 pieces of fruit. Colour  $\frac{1}{5}$  of them red,  $\frac{2}{5}$  of them yellow,  $\frac{1}{5}$  of them green, and  $\frac{1}{5}$  of them orange.



*Extension challenge: Max decides to lower the price of his oranges. If 3 oranges cost £1.50, how much would  $\frac{1}{3}$  of the oranges cost? If he had 30 pieces of fruit instead of 20, would  $\frac{1}{5}$  of the fruit be a larger or smaller amount?*