

## Max's Fraction Fruit Shop

*Learning objective: Recognise, find, write and compare fractions of a set of objects and solve problems involving fractions.*

Help Max the monkey organise his fruit stall! Read the passage carefully and use your knowledge of fractions to solve the maths problems below. Remember to show your working out.

Max the monkey has opened a fruit stall in the forest. He has 20 pieces of fruit in total to sell to his friends. He has 10 shiny red apples, 5 golden bananas, and 5 juicy plums. Max likes to keep his stall tidy. He sells half of his apples to Pip the caterpillar for £2.50. He keeps the rest of the fruit to make a fruit salad for the forest picnic later today. Max needs to make sure he has enough for everyone!

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

**1. What fraction of the total 20 pieces of fruit are bananas? Write your answer as a fraction in its simplest form. (2 marks)**

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**2. Max sold half of his 10 apples. How many apples does he have left? Write this as a fraction of his original 20 pieces of fruit. (2 marks)**

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**3. If Max puts all 20 pieces of fruit into 4 equal baskets, how many pieces of fruit will be in each basket? What fraction of the total fruit is in one basket? (2 marks)**

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**4. Zara the zebra wants to buy  $\frac{3}{5}$  of the total fruit. How many pieces of fruit would Zara be buying? (2 marks)**

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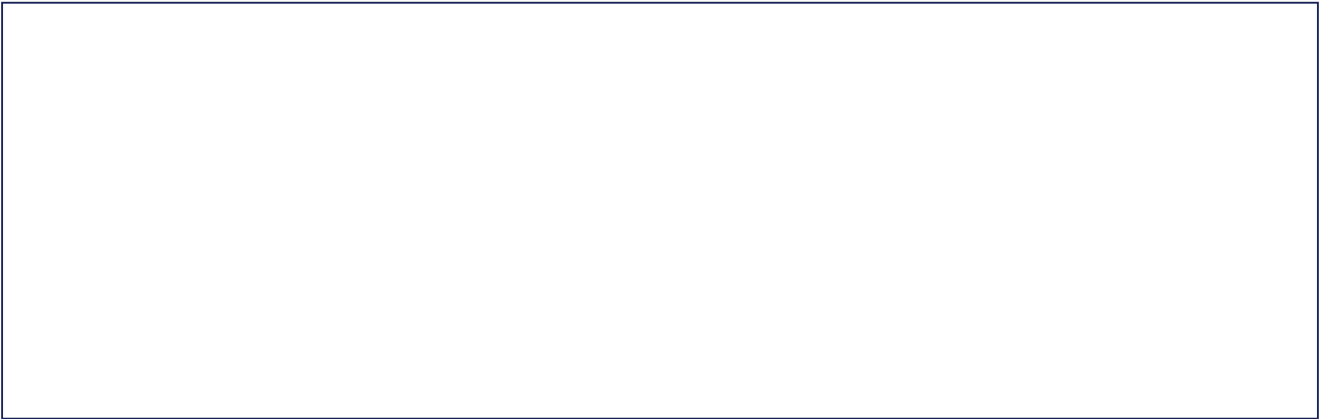
**5. Max decides to lower the price of a single plum to 20p. If he sells 3 plums, how much money will he make? Write the answer in pounds (£). (2 marks)**

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**Draw:** Draw Max's fruit stall. Show the 20 pieces of fruit separated into 4 baskets, with an equal fraction of the fruit in each basket.



*Extension challenge: Max finds 4 extra pears. If he adds these to his original 20 pieces of fruit, what is the new total? What fraction of the new total are the 5 plums? Can you simplify that fraction?*