

# Max's Market Stall: A Percentage Adventure

*Learning objective: To recognise that per cent means 'number of parts per hundred' and to understand that a percentage can be represented as a fraction with a denominator of 100.*

Read the story below about Max the monkey at the local market. Use your knowledge of fractions and decimals to help Max solve his pricing puzzles. Remember: 50% is the same as  $\frac{1}{2}$ , and 25% is the same as  $\frac{1}{4}$ .

Max the monkey is helping at the market stall today. He has 100 shiny red apples to sell. He likes to organise his fruit into groups. Max says, 'If I sell 50 out of 100 apples, that is 50% of my stock.' He also has 100 golden pears. He decides to put a '25% off' sticker on 25 of the pears because they are slightly smaller. Finally, Max has 100 bundles of bananas. He sells 75 bundles by lunchtime. He wants to know what percentage of the bananas he has sold.

*Word bank: percentage · hundredths · fraction · equivalent · denominator · total*

**1. If Max sells 50 out of 100 apples, what fraction of the apples has he sold? Write your answer in its simplest form. (2 marks)**

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**2. Max has 100 golden pears. If he puts a '25% off' sticker on 25 of them, what fraction of the pears are on sale? (2 marks)**

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**3. Max sold 75 out of 100 bundles of bananas. Write this as a percentage. (1 mark)**

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**4. If Max has 100 melons and sells 10 of them, what percentage of the melons has he sold? (2 marks)**

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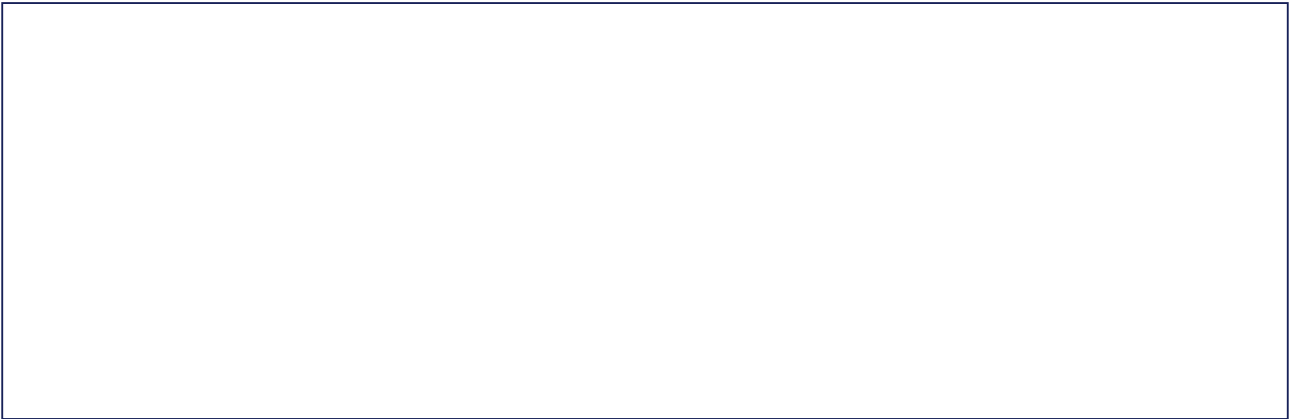
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5. A customer buys a basket of fruit that costs £10. If there is a 50% discount on the basket, how much does the customer pay? (2 marks)

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**Draw:** Draw a grid of 100 squares (a 10x10 square). Colour in 25% of the squares blue to show Max's discounted pears, and 50% of the squares red to show his sold apples.



*Extension challenge: Max has 200 oranges. If he sells 50% of them, how many oranges does he have left? Explain how you found your answer using your knowledge of percentages.*