

Practice Questions

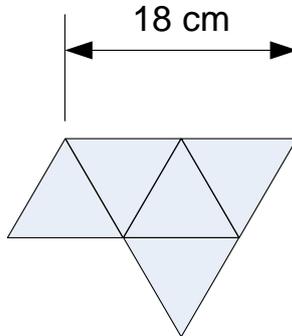
Key Stage Two SAT Mathematics

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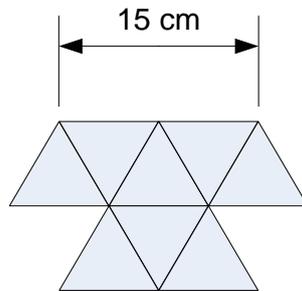
Work out the Perimeter

The perimeter is the total distance around the outside edge of a shape.

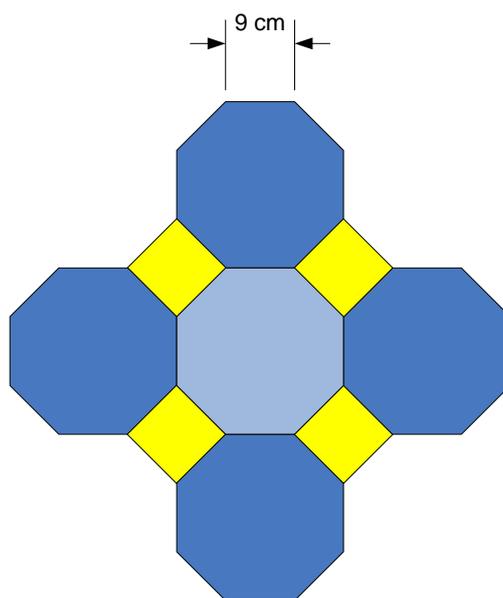
- 1 Each of the triangles is an equilateral triangle. What is the overall perimeter of this shape?



- 2 What is the perimeter of the following shape?



- 3 Below, the length of the sides of the square are the same as the lengths of the sides of the octagons. What is the perimeter of the pattern shown below?

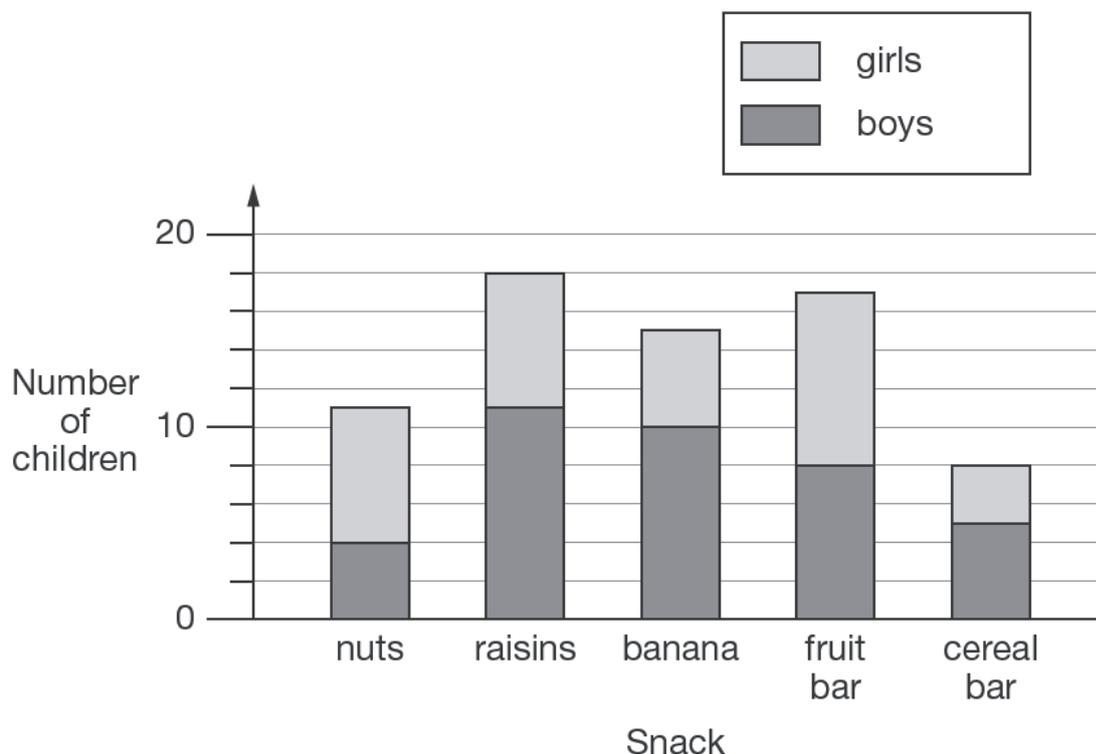


Change in a shop and money

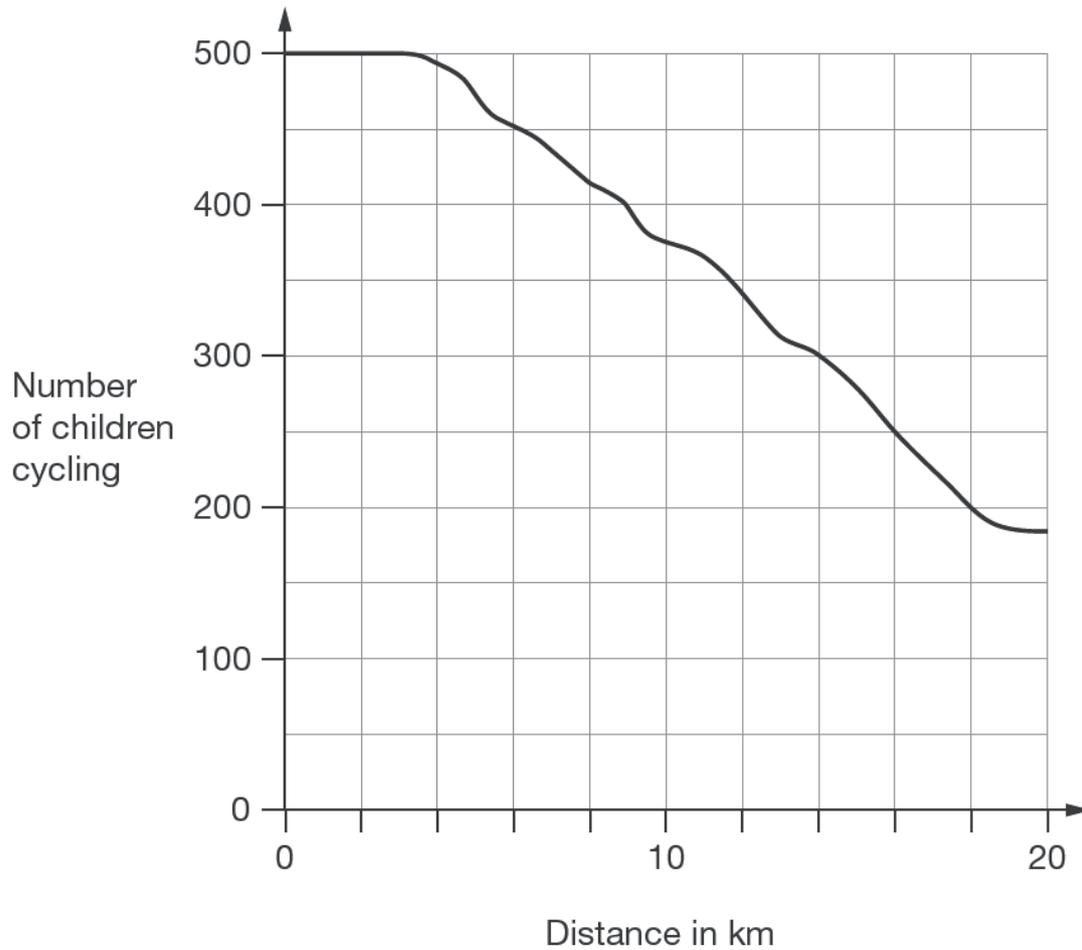
Item	Cost
Carrots / bag	60p
Apples /lb	£1
Cauliflower each	One pound twenty-five.
Cabbage each	£1.20
Potatoes /lb	£1.45

- 1 How much change would I get from buying three bags of carrots and paying with a £5 note?
- 2 How much change would I get if I purchased four cauliflowers with a £10 note?
- 3 How much change would I get if I bought two bags of carrots and 3lb of potatoes with a £10 note?
- 4 How much change would I get from £20 if I purchased seven cauliflowers and 4lb of potatoes?
- 5 What is the maximum number of bags of carrots I can purchase for £5.00?
- 6 Michael buys a book. He pays with a £10 note and gets £1.56 change. Sarah buys a book that costs her £15. How much more expensive is Sarah's book?
- 7 Michael buys a book. He pays with a £20 note and gets £4.86 change. Sarah buys a book that costs her £23.55. How much more expensive is Sarah's book?
- 8 Michael buys a book. He pays with a £20 note and gets £5.41 change. Sarah buys a book that costs her £25. How much more expensive is Sarah's book?
- 9 Michael buys a book. He pays with two £20 notes and gets £14.07 change. Sarah buys a book that costs her £34.56. How much more expensive is Sarah's book?
- 10 Sally buys a car. She pays £230 per month for three years. How much does her car cost?
- 11 Mike buys a car. He pays £327 per month for four years. How much does his car cost?
- 12 Leanne buys a car. She pays £248 per month for five years and then pays a single, final payment of £1277. How much does her car cost?
- 13 Bill pays 20% of the cost of his house as a deposit. He now owes £120,000. How much was his house?
- 14 Fred pays 20% of the cost of his house as a deposit. He now owes £200,000. How much was his house?
- 15 Jack pays 30% of the cost of his house as a deposit. He now owes £150,000. How much was his house?

Data Handling

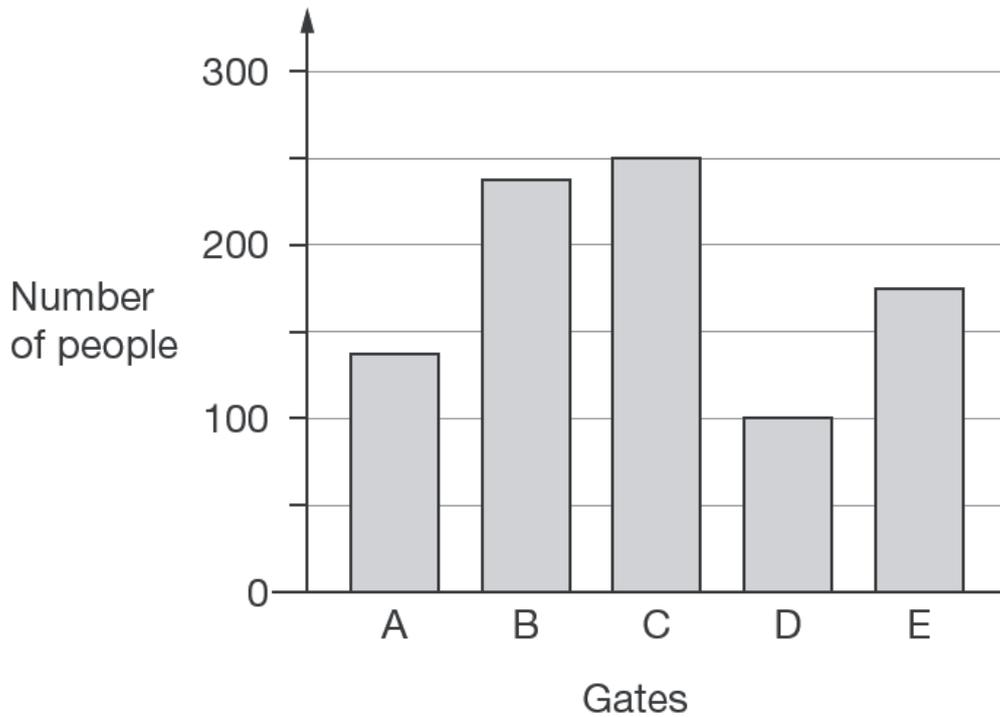


- How many more girls than boys liked nuts?
- Assuming that the question asked was, "What is your favourite snack?", what number of girls were asked?
- If the question was, "Which of these snacks do you like?", what is the minimum number of people to be asked?
- What percentage of the people who liked bananas were boys?
- What fraction of the people who liked fruit bars were girls?
- Which is the most popular snack amongst girls?
- Which snack was chosen by twice as many boys as girls?
- Bags of raisins were sold for £0.25 each. Each child who said they liked them purchased three bags of raisins. How much money was spent on raisins?
- Cereal bars cost 60p each. Bananas cost £0.35 each. If each person who said they liked these items purchased one each, which brought most money in for the shopkeeper?
- Draw a table showing the name of the bar and the percentage of people who liked them most.



1. Up until what distance were all the children still in the event?
2. Approximately how many children finished the event?
3. Up until what distance were half the children still in the event?
4. From what distance were fewer than 80% of the children still in the event?
5. By what distance had 60% of the children dropped out?
6. What percentage of people were still in the event at 14km?

An outdoor concert had five gates through which spectators could enter. The gates led to different parts of the arena and so affected how much of the concert spectators could see. Gate A, the closest to the stage, had the most expensive tickets costing £40 each. Tickets for gate E were the cheapest costing £7.50 each. Gate B cost £28, Gate C cost £20 and Gate D cost £14.60 each.



1. What were the overall takings at Gate C?
2. Which of the gates collected most money?
3. How many fewer people used gate E than gate C?
4. What was the mean average number of people through each gate?
5. Which gate provided access for the median number of people?
6. What was the total number of people attending this event?
7. Which gate collected the least amount of money?
8. If you wanted to purchase six tickets for gate D, how much change would you get from £120?