6.3 Bar Charts, Pictograms and Line Graphs: 10-minute Pack

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A pictogram shows the number of books read by 3 classes using a symbol worth 4 books. Class 7A shows 5 symbols, Class 7B shows 3 and a half symbols, Class 7C shows 2 symbols. How many books did each class read?

(2)

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2 A line graph shows the temperature in a greenhouse: 6:00 13°C, 8:00 12°C, 10:00 15°C, 12:00 16°C, 14:00 12°C.
Work out the change in temperature between 8:00 and 12:00.

(2)

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3 A line graph shows the temperature in a greenhouse: 6:00 13°C, 8:00 18°C, 10:00 19°C, 12:00 25°C, 14:00 27°C.
Estimate the temperature at 9:00, halfway between the readings at 8:00 and 10:00.

(2)

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4 A horizontal bar chart shows the population (thousands) of four towns: Ashby 45, Barton 60, Crossfield 38, Denby 52. List the towns in order from smallest to largest population.

(2)

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Question 1

method: multiply number of symbols by 4 for each class	**M1**
7A = 20, 7B = 14, 7C = 8 cao	**A1**

Answer: **7A 20 books, 7B 14 books, 7C 8 books**

Question 2

16 - 12	**M1**
+4°C cao	**A1**

Answer: **4°C rise**

Question 3

uses the midpoint of the two readings	**M1**
18.5°C cao	**A1**

Answer: **18.5°C**

Question 4

method: compares all four values	**M1**
Crossfield, Ashby, Denby, Barton cao	**A1**

Answer: **Crossfield, Ashby, Denby, Barton**

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