7.2 Statistics: Tally Charts and Pictograms: 30-minute Pack

STA NC-KS1-MATHS-STA · Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A block graph shows the types of weather of a class. The bar for sunny reaches 1; the bar for rainy reaches 6; the bar for cloudy reaches 9; the bar for windy reaches 3.

How many children chose cloudy and sunny together?

Answer: ___

(1)

2 The pictogram shows the sandwich fillings of a class. Each (*) stands for 2 children.

cheese: (*) (*) (*) (*) (*) (*)
ham: (*) (*)
egg: (*) (*) (*)

Which was chosen by the most children?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

3 A tally chart shows the side dishes chosen by a class. In a tally, ||||/ stands for 5.

rice: ||||/ ||||/ ||||
chips: ||
pasta: ||||/ |
bread: |||

How many more chose bread than chips?

Answer: ___

(1)

---

4 A block graph shows the favourite meals of a class. The bar for pizza reaches 10; the bar for pasta reaches 1; the bar for curry reaches 2; the bar for salad reaches 9.

How many more children chose curry than pasta?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

5 A block graph shows the favourite meals of a class. The bar for pizza reaches 1; the bar for pasta reaches 3; the bar for curry reaches 6; the bar for salad reaches 9.

How many more children chose curry than pizza?

Answer: ___

(1)

---

6 A block graph shows the pets of a class. The bar for cats reaches 7; the bar for dogs reaches 9; the bar for fish reaches 6; the bar for rabbits reaches 3.

Which was chosen by the most children?

Answer: ___

(1)

---

7 There are 9 cards. 3 are big and the rest are small.

How many more are small than big?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

8 A tally chart shows the shapes chosen by a class. In a tally, ||||/ stands for 5.

circle: ||||/
square: ||||/ ||||/
triangle: ||||/ ||||/ ||||
star: ||||/ ||||

Which was the least popular?

Answer: ___

(1)

---

9 The pictogram shows the favourite zoo animals of a class. Each (*) stands for 2 children.

lions: (*) (*) (*) (*) (*)
tigers: (*) (*)
bears: (*) (*) (*) (*) (*) (*)

How many (*) would be drawn for 10 children?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

10 The table shows the favourite meals of a class.

pizza: 8
pasta: 14
curry: 12
salad: 6

How many children chose altogether?

Answer: ___

(2)

---

11 The pictogram shows the favourite colours of a class. Each (*) stands for 10 children.

red: (*) (*) (*)
blue: (*)
green: (*) (*) (*)

How many more children chose green than blue?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

12 The pictogram shows the sandwich fillings of a class. Each (*) stands for 2 children.

cheese: (*) (*) (*)
ham: (*) (*) (*) (*)
egg: (*) (*) (*) (*) (*) (*)

How many (*) would be drawn for 12 children?

Answer: ___

(1)

---

13 A pictogram shows fish. Key: 1 fish picture = 2 fish.
There are 5 fish pictures.
How many fish are there?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

14 A tally chart shows the side dishes chosen by a class. In a tally, ||||/ stands for 5.

rice: ||||/ ||
chips: ||||/ ||||/ |||
pasta: ||
bread: |||

How many more chose rice than pasta?

Answer: ___

(1)

---

15 Zara counted 11 ducks on a pond. Zara wants to record this in a tally chart using ||||/ for each group of 5.

How many groups of five and how many extra single strokes are needed?

Answer: ___ groups of five and ___ single strokes

(1)

© Revision Library | revisionlibrary.co.uk

16 The pictogram shows the ways of coming to school of a class. Each (*) stands for 5 children.

bus: (*)
car: (*) (*) (*)
bike: (*) (*) (*) (*) (*) (*)

Which was chosen by the most children?

Answer: ___

(1)

---

17 A block graph shows the side dishes of a class. The bar for rice reaches 1; the bar for chips reaches 7; the bar for pasta reaches 4; the bar for bread reaches 9.

How many children chose pasta?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

18 Complete the tally for rabbits.
There are 9 rabbits.
Write tally marks for 9 rabbits.

Answer: ___

(1)

---

19 Ben counts cars. His tally is |||| |||| |||| || (each full group of 5 is drawn as five strokes).
How many cars did Ben see?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 7.2 Statistics: Tally Charts and Pictograms: 30-minute Pack

Question 1

10 cao **B1**

Answer: **10**

Question 2

cheese cao **B1**

Answer: **cheese**

Question 3

1 cao **B1**

Answer: **1**

Question 4

1 cao **B1**

Answer: **1**

Question 5

5 cao **B1**

Answer: **5**

Question 6

dogs cao **B1**

Answer: **dogs**

Question 7

9 - 3 = 6 **M1**

3 cao **A1**

Answer: **3**

Question 8

circle cao **B1**

Answer: **circle**

Question 9

5 cao **B1**

Answer: **5**

Question 10

adds the four numbers **M1**

40 cao **A1**

Answer: **40**

Question 11

uses 10 for each symbol **M1**

20 cao **A1**

Answer: **20**

Question 12

6 cao **B1**

Answer: **6**

Question 13

10 cao **B1**

Answer:10

Working: 5 x 2 = 10.

Question 14

5 cao **B1**

Answer: **5**

Question 15

2 groups of five and 1 single strokes cao **B1**

Answer: **2 groups of five and 1 single strokes**

Question 16

bike cao **B1**

Answer: **bike**

Question 17

4 cao **B1**

Answer: **4**

Question 18

9 shown as |||| |||| | or equivalent grouping with correct fives and ones **B1**

Answer:||||| ||||

Answer shown for marking: 9 (5 + 4).

Question 19

17 cao **B1**

Answer:17

Working: 5 + 5 + 5 + 2 = 17

© Revision Library | revisionlibrary.co.uk