7.2 Statistics: Tally Charts and Pictograms: 1-hour Pack

STA NC-KS1-MATHS-STA · Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A block graph shows the ways of coming to school of a class. The bar for bus reaches 3; the bar for car reaches 9; the bar for bike reaches 8; the bar for walk reaches 4.

How many children chose bike and bus together?

Answer: ___

(1)

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2 Hassan counted 14 ducks on a pond. Hassan 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)

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3 A tally chart shows the number of children seen at the window. In a tally, ||||/ stands for 5.

The tally for Monday is: ||||/ ||||/ ||||

How many children were seen on Monday?

Answer: ___

(1)

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4 A tally chart shows the number of buses seen in the park. In a tally, ||||/ stands for 5.

The tally for Monday is: ||||/ ||||/ ||||/

How many buses were seen on Monday?

Answer: ___

(1)

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5 The pictogram shows the shapes of a class. Each (*) stands for 5 children.

circle: (*)
square: (*) (*) (*) (*)
triangle: (*) (*) (*) (*) (*)

Which was chosen by the most children?

Answer: ___

(1)

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

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

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

Answer: ___

(1)

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7 The table shows the favourite meals of a class.

pizza: 7
pasta: 9
curry: 6
salad: 2

How many children chose altogether?

Answer: ___

(1)

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8 A tally chart shows the number of cars seen in the playground. In a tally, ||||/ stands for 5.

The tally for Monday is: ||||/ ||||/ ||||

How many cars were seen on Monday?

Answer: ___

(1)

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9 The table shows the types of weather of a class.

sunny: 12
rainy: 11
cloudy: 2
windy: 4

How many more chose rainy than windy?

Answer: ___

(1)

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10 A tally chart shows the favourite meals chosen by a class. In a tally, ||||/ stands for 5.

pizza: ||
pasta: ||||/ ||||/
curry: ||||/ ||||
salad: ||||/ ||

Which was the least popular?

Answer: ___

(1)

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11 A tally chart shows the number of birds seen in the playground. In a tally, ||||/ stands for 5.

The tally for Monday is: ||||/ |||

How many birds were seen on Monday?

Answer: ___

(1)

---

12 There are 10 buttons. They are sorted into two groups. 3 of them are odd. All the others are even.

How many are even?

Answer: ___

(1)

---

13 A pictogram shows books. Key: 1 book picture = 5 books.
There are 4 book pictures.
How many books are there?

Answer: ___

(1)

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14 The table shows the favourite zoo animals of a class.

lions: 13
tigers: 11
bears: 4
monkeys: 12

How many more chose monkeys than tigers?

Answer: ___

(1)

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15 A block graph shows the favourite meals of a class. The bar for pizza reaches 8; the bar for pasta reaches 2; the bar for curry reaches 10; the bar for salad reaches 7.

How many more children chose pizza than salad?

Answer: ___

(1)

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16 A tally chart shows the number of buses seen at the gate. In a tally, ||||/ stands for 5.

The tally for Monday is: ||||/ ||||/ ||||

How many buses were seen on Monday?

Answer: ___

(1)

---

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

football: (*)
swimming: (*)
tennis: (*) (*) (*) (*) (*) (*)

How many children chose altogether?

Answer: ___

(2)

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18 A block graph shows the favourite colours of a class. The bar for red reaches 7; the bar for blue reaches 10; the bar for green reaches 2; the bar for yellow reaches 1.

How many children chose yellow?

Answer: ___

(1)

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19 A tally chart shows the sandwich fillings chosen by a class. In a tally, ||||/ stands for 5.

cheese: ||||/ |||
ham: ||||/ ||||/ ||||
egg: ||||/ ||||/ |
tuna: ||||/ ||||/

Which was the least popular?

Answer: ___

(1)

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20 The pictogram shows the favourite sports of a class. Each (*) stands for 2 children.

football: (*)
swimming: (*) (*) (*) (*) (*) (*)
tennis: (*) (*) (*) (*)

How many more children chose tennis than football?

Answer: ___

(2)

---

21 The pictogram shows the pets of a class. Each (*) stands for 10 children.

cats: (*)
dogs: (*) (*)
fish: (*) (*) (*) (*) (*)

How many (*) would be drawn for 50 children?

Answer: ___

(1)

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22 A tally chart shows the number of children seen in the playground. In a tally, ||||/ stands for 5.

The tally for Monday is: ||

How many children were seen on Monday?

Answer: ___

(1)

---

23 The pictogram shows the favourite fruits of a class. Each (*) stands for 2 children.

apples: (*)
bananas: (*) (*) (*) (*) (*) (*)
pears: (*) (*) (*) (*)

How many chose pears?

Answer: ___

(1)

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24 The table shows the side dishes of a class.

rice: 3
chips: 2
pasta: 7
bread: 10

Which was the least popular?

Answer: ___

(1)

---

25 Callum counted 8 ducks on a pond. Callum 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)

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26 A tally chart shows the favourite colours chosen by a class. In a tally, ||||/ stands for 5.

red: ||||/ ||||/
blue: ||||/ ||||/ |||
green: ||||/ |||
yellow: ||||/ ||||/ ||

Which was the most popular?

Answer: ___

(1)

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27 A tally chart shows the number of children seen in the park. In a tally, ||||/ stands for 5.

The tally for Monday is: ||||/ ||||/ ||

How many children were seen on Monday?

Answer: ___

(1)

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28 A block graph shows the types of weather of a class. The bar for sunny reaches 4; the bar for rainy reaches 7; the bar for cloudy reaches 8; the bar for windy reaches 3.

How many children chose cloudy and windy together?

Answer: ___

(1)

---

29 A tally chart shows the favourite colours chosen by a class. In a tally, ||||/ stands for 5.

red: ||||
blue: ||||/ ||||/ ||
green: ||||/ |||
yellow: ||||/ ||||/

Which was the least popular?

Answer: ___

(1)

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30 Lily counted 10 ducks on a pond. Lily 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)

---

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

cats: ||||/ ||||/ ||||
dogs: ||||/ |||
fish: ||||/ ||||/ |
rabbits: ||||/ ||||/

How many chose fish?

Answer: ___

(1)

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32 A tally chart shows the types of weather chosen by a class. In a tally, ||||/ stands for 5.

sunny: ||||/ ||||/ |||
rainy: ||||/ ||
cloudy: ||||
windy: ||||/ ||||/ ||

How many more chose windy than rainy?

Answer: ___

(1)

---

33 A block graph shows the ways of coming to school of a class. The bar for bus reaches 7; the bar for car reaches 10; the bar for bike reaches 9; the bar for walk reaches 1.

How many children chose car and walk together?

Answer: ___

(1)

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

circle: (*)
square: (*) (*) (*) (*)
triangle: (*) (*) (*) (*) (*)

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

Answer: ___

(1)

---

35 The table shows the side dishes of a class.

rice: 12
chips: 8
pasta: 11
bread: 5

How many chose pasta?

Answer: ___

(1)

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36 Nia counted 7 ducks on a pond. Nia 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)

---

37 The pictogram shows the pets of a class. Each (*) stands for 1 child.

cats: (*)
dogs: (*) (*) (*) (*)
fish: (*) (*) (*) (*) (*) (*)

How many (*) would be drawn for 4 children?

Answer: ___

(1)

---

38 There is a pictogram with sweets. Key: 1 sweet picture = 2 sweets.
One child has 3 pictures and another child has 2 pictures.
How many more sweets does the first child have than the second?

Answer: ___

(1)

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39 There are 14 shapes. 4 are red and the rest are blue.

How many more are blue than red?

Answer: ___

(2)

---

40 Fill the table. How many bikes? Tally shows ||||| || (a full group of 5 drawn as five strokes, then 2 more).
Write the number of bikes.

Answer: ___

(1)

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Mark scheme · 7.2 Statistics: Tally Charts and Pictograms: 1-hour Pack

Question 1

11 cao **B1**

Answer: **11**

Question 2

2 groups of five and 4 single strokes cao **B1**

Answer: **2 groups of five and 4 single strokes**

Question 3

14 cao **B1**

Answer: **14**

Question 4

15 cao **B1**

Answer: **15**

Question 5

triangle cao **B1**

Answer: **triangle**

Question 6

5 cao **B1**

Answer: **5**

Question 7

24 cao **B1**

Answer: **24**

Question 8

14 cao **B1**

Answer: **14**

Question 9

7 cao **B1**

Answer: **7**

Question 10

pizza cao **B1**

Answer: **pizza**

Question 11

8 cao **B1**

Answer: **8**

Question 12

7 cao **B1**

Answer: **7**

Question 13

20 cao **B1**

Answer:20

Working: 4 x 5 = 20.

Question 14

1 cao **B1**

Answer: **1**

Question 15

1 cao **B1**

Answer: **1**

Question 16

14 cao **B1**

Answer: **14**

Question 17

uses 10 for each symbol **M1**

80 cao **A1**

Answer: **80**

Question 18

1 cao **B1**

Answer: **1**

Question 19

cheese cao **B1**

Answer: **cheese**

Question 20

uses 2 for each symbol **M1**

6 cao **A1**

Answer: **6**

Question 21

5 cao **B1**

Answer: **5**

Question 22

2 cao **B1**

Answer: **2**

Question 23

8 cao **B1**

Answer: **8**

Question 24

chips cao **B1**

Answer: **chips**

Question 25

1 group of five and 3 single strokes cao **B1**

Answer: **1 group of five and 3 single strokes**

Question 26

blue cao **B1**

Answer: **blue**

Question 27

12 cao **B1**

Answer: **12**

Question 28

11 cao **B1**

Answer: **11**

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Question 29

red cao **B1**

Answer: **red**

Question 30

2 groups of five and 0 single strokes cao **B1**

Answer: **2 groups of five and 0 single strokes**

Question 31

11 cao **B1**

Answer: **11**

Question 32

5 cao **B1**

Answer: **5**

Question 33

11 cao **B1**

Answer: **11**

Question 34

5 cao **B1**

Answer: **5**

Question 35

11 cao **B1**

Answer: **11**

Question 36

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

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

Question 37

4 cao **B1**

Answer: **4**

Question 38

2 cao **B1**

Answer:2

Working: First child 3 x 2 = 6, second 2 x 2 = 4, difference 6 - 4 = 2.

Question 39

14 - 4 = 10 **M1**

6 cao **A1**

Answer: **6**

Question 40

7 cao **B1**

Answer:7

Working: 5 + 2 = 7

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