7.2 Statistics: Tally Charts and Pictograms: Test Pack

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

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Look at these tally marks for cats: |||| |||.
How many cats are there?

Answer: ___

(1)

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2 A block graph shows the favourite fruits of a class. The bar for apples reaches 9; the bar for bananas reaches 2; the bar for pears reaches 10; the bar for grapes reaches 4.

Which was chosen by the most children?

Answer: ___

(1)

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3 A tally chart shows the ways of coming to school chosen by a class.
In a tally, ||||/ stands for 5.

bus: ||||/ ||||/
car: ||||
bike: ||||/ ||||/ |||
walk: ||||/ |

How many children chose altogether?

Answer: ___

(1)

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4 Complete the tally. There are 14 oranges.
Write tally marks for 14.

Answer: ___

(1)

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

cheese: ||||/ ||||

ham: ||||/ ||||/ |

egg: |||

tuna: ||||/ ||||/ ||

How many chose ham?

Answer: ___

(1)

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6 The pictogram shows the favourite sports of a class. Each (*) stands for 1 child.

football: (*)

swimming: (*) (*) (*) (*) (*) (*)

tennis: (*) (*) (*) (*) (*) (*)

How many (*) would be drawn for 1 children?

Answer: ___

(1)

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7 A tally chart shows the ways of coming to school chosen by a class. In a tally, ||||/ stands for 5.

bus: ||||/ ||||/ |||
car: ||||/ |||
bike: ||||/ ||||/ |
walk: ||||

How many more chose bus than walk?

Answer: ___

(1)

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

pizza: (*) (*) (*) (*) (*)
pasta: (*) (*) (*) (*) (*)
curry: (*) (*) (*) (*) (*)

How many (*) would be drawn for 25 children?

Answer: ___

(1)

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9 Look at this tally for fruit eaten (each full group of 5 is drawn as five strokes): Apples |||| |, Bananas |||| ||, Pears |||| |||| ||.
Write the number of bananas.

Answer: ___

(1)

---

10 There are 9 cards. They are sorted into two groups. 5 of them are wet. All the others are dry.

How many are dry?

Answer: ___

(1)

---

11 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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12 A tally chart shows the favourite zoo animals chosen by a class. In a tally, ||||/ stands for 5.

lions: ||||/ ||||/ ||
tigers: |||

bears: ||||/ ||||/	
monkeys: ||||/	

How many children chose altogether?

Answer: ___

(1)

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

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

Which was the most popular?

Answer: ___

(1)

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14 Which day has the most tallies? (Each full group of 5 is drawn as five strokes.) Mon ||||, Tue ||||| ||, Wed ||||| |||||, Thu ||||, Fri ||||| ||||| ||.
Write the day with the most.

Answer: ___

(1)

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

The tally for Monday is: ||||

How many birds were seen on Monday?

Answer: ___

(1)

---

16 Draw tally marks for 3 dogs.
Write the tally marks.

Answer: ___

(1)

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17 The table shows the favourite colours of a class.

red: 8
blue: 6
green: 4
yellow: 12

How many chose blue?

Answer: ___

(1)

---

18 A block graph shows the ways of coming to school of a class. The bar for bus reaches 6; the bar for car reaches 1; the bar for bike reaches 8; the bar for walk reaches 4.

How many children chose bus and bike together?

Answer: ___

(1)

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19 The pictogram shows the ways of coming to school of a class. Each (*) stands for 10 children.

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

How many chose bike?

Answer: ___

(1)

---

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

The tally for Monday is: ||

How many cars were seen on Monday?

Answer: ___

(1)

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21 There are 13 shapes. They are sorted into two groups. 9 of them are red. All the others are blue.

How many are blue?

Answer: ___

(1)

---

22 A block graph shows the shapes of a class. The bar for circle reaches 6; the bar for square reaches 4; the bar for triangle reaches 10; the bar for star reaches 5.

How many children chose star?

Answer: ___

(1)

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

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

How many children chose altogether?

Answer: ___

(1)

---

24 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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25 A tally chart shows the favourite zoo animals chosen by a class. In a tally, ||||/ stands for 5.

lions: ||||/ ||||/ ||
tigers: ||||/ ||||
bears: ||
monkeys: ||||/ ||||/

How many children chose altogether?

Answer: ___

(1)

---

26 There are 13 cards. 2 are wet and the rest are dry.

How many more are dry than wet?

Answer: ___

(2)

---

27 A pictogram shows stickers. Key: 1 star = 4 stickers.
There are 3 stars and 1 half star picture (half means 1/2 of a star).
How many stickers are there?

Answer: ___

(1)

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28 There are 12 cards. 7 are big and the rest are small.

How many more are big than small?

Answer: ___

(2)

---

29 There are 13 buttons. 8 are round and the rest are square.

How many more are round than square?

Answer: ___

(2)

---

30 There are 10 cards. They are sorted into two groups. 5 of them are wet. All the others are dry.

How many are dry?

Answer: ___

(1)

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31 A block graph shows the types of weather of a class. The bar for sunny reaches 5; the bar for rainy reaches 2; the bar for cloudy reaches 3; the bar for windy reaches 9.

How many children chose sunny and cloudy together?

Answer: ___

(1)

---

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

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

How many buses were seen on Monday?

Answer: ___

(1)

---

33 A block graph shows the favourite sports of a class. The bar for football reaches 7; the bar for swimming reaches 4; the bar for tennis reaches 1; the bar for running reaches 10.

How many children chose swimming and tennis together?

Answer: ___

(1)

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

football: |||
swimming: ||||/ ||
tennis: ||||
running: ||||/ ||||

How many chose swimming?

Answer: ___

(1)

---

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

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

How many chose triangle?

Answer: ___

(1)

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36 A block graph shows the favourite meals of a class. The bar for pizza reaches 8; the bar for pasta reaches 7; the bar for curry reaches 9; the bar for salad reaches 5.

How many children chose pizza?

Answer: ___

(1)

---

37 There are 15 shapes. 6 are big and the rest are small.

How many more are small than big?

Answer: ___

(2)

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Mark scheme · 7.2 Statistics: Tally Charts and Pictograms: Test Pack

Question 1

7 cao **B1**

Answer:7

Answer shown for marking: 7 cats (4 + 3 = 7).

Question 2

pears cao **B1**

Answer: **pears**

Question 3

33 cao **B1**

Answer: **33**

Question 4

14 shown as ||||| ||||| |||| (5+5+4) or equivalent grouping **B1**

Answer:||||| ||||| ||||

Answer shown for marking: 14 (5 + 5 + 4).

Question 5

11 cao **B1**

Answer: **11**

Question 6

1 cao **B1**

Answer: **1**

Question 7

9 cao **B1**

Answer: **9**

Question 8

5 cao **B1**

Answer: **5**

Question 9

7 cao **B1**

Answer:7

Working: Bananas tally ||||| || = 5 + 2 = 7.

Question 10

4 cao **B1**

Answer: **4**

Question 11

9 cao **B1**

Answer: **9**

Question 12

32 cao **B1**

Answer: **32**

Question 13

curry cao **B1**

Answer: **curry**

Question 14

Fri cao **B1**

Answer:Fri

Working: Mon = 4, Tue = 5 + 2 = 7, Wed = 5 + 5 = 10, Thu = 4, Fri = 5 + 5 + 2 = 12. Fri has the most.

Question 15

4 cao **B1**

Answer: **4**

Question 16

||| or equivalent showing 3 tallies **B1**

Answer:|||

Answer shown for marking: 3 tallies.

Question 17

6 cao **B1**

Answer: **6**

Question 18

14 cao **B1**

Answer: **14**

Question 19

60 cao **B1**

Answer: **60**

Question 20

2 cao **B1**

Answer: **2**

Question 21

4 cao **B1**

Answer: **4**

Question 22

5 cao **B1**

Answer: **5**

Question 23

31 cao **B1**

Answer: **31**

Question 24

6 cao **B1**

Answer: **6**

Question 25

33 cao **B1**

Answer: **33**

Question 26

13 - 2 = 11 **M1**

9 cao **A1**

Answer: **9**

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Question 27

14 cao **B1**

Answer:14

Working: 3 full stars = 3 x 4 = 12; 1 half star = 2 (half of 4 stickers). Total = 12 + 2 = 14.

Question 28

12 - 7 = 5 **M1**

2 cao **A1**

Answer: **2**

Question 29

13 - 8 = 5 **M1**

3 cao **A1**

Answer: **3**

Question 30

5 cao **B1**

Answer: **5**

Question 31

8 cao **B1**

Answer: **8**

Question 32

8 cao **B1**

Answer: **8**

Question 33

5 cao **B1**

Answer: **5**

Question 34

7 cao **B1**

Answer: **7**

Question 35

9 cao **B1**

Answer: **9**

Question 36

8 cao **B1**

Answer: **8**

Question 37

15 - 6 = 9 **M1**

3 cao **A1**

Answer: **3**

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