7.1 Statistics: Charts and Tally: 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 1; the bar for car reaches 8; the bar for bike reaches 5; the bar for walk reaches 6.

How many children chose walk?

Answer: ___

(1)

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2 A block graph shows the pets of a class. The bar for cats reaches 2; the bar for dogs reaches 10; the bar for fish reaches 8; the bar for rabbits reaches 7.

Which was chosen by the most children?

Answer: ___

(1)

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

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

How many children chose altogether?

Answer: ___

(1)

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

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

Which was the most popular?

Answer: ___

(1)

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5 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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6 A block graph shows the favourite colours of a class. The bar for red reaches 5; the bar for blue reaches 1; the bar for green reaches 2; the bar for yellow reaches 10.

How many more children chose red than green?

Answer: ___

(1)

---

7 There are 9 shapes. They are sorted into two groups. 4 of them are wet. All the others are dry.

How many are dry?

Answer: ___

(1)

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8 A block graph shows the shapes of a class. The bar for circle reaches 2; the bar for square reaches 3; the bar for triangle reaches 8; the bar for star reaches 10.

How many children chose circle?

Answer: ___

(1)

---

9 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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10 A tally chart shows the favourite colours chosen by a class. In a tally, ||||/ stands for 5.

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

How many children chose altogether?

Answer: ___

(1)

---

11 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)

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12 A block graph shows the favourite zoo animals of a class. The bar for lions reaches 3; the bar for tigers reaches 4; the bar for bears reaches 8; the bar for monkeys reaches 6.

How many more children chose bears than lions?

Answer: ___

(1)

---

13 The table shows the shapes of a class.

circle: 13
square: 4
triangle: 2
star: 10

Which was the least popular?

Answer: ___

(1)

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

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

How many buses were seen on Monday?

Answer: ___

(1)

---

15 A block graph shows the shapes of a class. The bar for circle reaches 1; the bar for square reaches 7; the bar for triangle reaches 9; the bar for star reaches 5.

How many more children chose triangle than circle?

Answer: ___

(1)

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16 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)

---

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

cheese: ||||/ ||||

ham: |||

egg: ||||/

tuna: ||

Which was the most popular?

Answer: ___

(1)

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18 A block graph shows the favourite fruits of a class. The bar for apples reaches 10; the bar for bananas reaches 5; the bar for pears reaches 4; the bar for grapes reaches 6.

How many children chose pears?

Answer: ___

(1)

---

19 In one week, 30 vehicles were counted passing the school gate: Cars, Vans, Bikes and Buses. Cars = 15, Vans = 8, Buses = 3.

Work out how many Bikes were counted.

Answer: ___

(2)

---

20 A block graph shows the side dishes of a class. The bar for rice reaches 3; the bar for chips reaches 5; the bar for pasta reaches 1; the bar for bread reaches 2.

How many more children chose rice than bread?

Answer: ___

(1)

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21 There are 13 toys. They are sorted into two groups. 3 of them are odd. All the others are even.

How many are even?

Answer: ___

(1)

---

22 There are 14 stickers. 5 are wet and the rest are dry.

How many more are dry than wet?

Answer: ___

(2)

---

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

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

How many more children chose curry than pizza?

Answer: ___

(2)

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24 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)

---

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

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

How many cars were seen on Monday?

Answer: ___

(1)

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

rice: (*)
chips: (*) (*) (*) (*) (*) (*)
pasta: (*)

How many children chose altogether?

Answer: ___

(1)

---

27 The table shows the ways of coming to school of a class.

bus: 13
car: 12
bike: 14
walk: 8

How many more chose bike than walk?

Answer: ___

(1)

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

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

Which was chosen by the most children?

Answer: ___

(1)

---

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

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

Which was chosen by the most children?

Answer: ___

(1)

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30 In a block diagram, each block represents 1 child. 6 children chose Art as their favourite lesson. 3 more children chose Maths than chose Art.

Work out how many children chose Maths.

Answer: ___

(2)

---

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

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

How many (*) would be drawn for 15 children?

Answer: ___

(1)

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

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

Which was chosen by the most children?

Answer: ___

(1)

---

33 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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34 A block graph shows the ways of coming to school of a class. The bar for bus reaches 4; the bar for car reaches 8; the bar for bike reaches 1; the bar for walk reaches 5.

Which was chosen by the most children?

Answer: ___

(1)

---

35 The pictogram shows the side dishes of a class. Each (*) stands for 10 children.

rice: (*) (*) (*)
chips: (*) (*) (*) (*)
pasta: (*) (*) (*) (*) (*)

How many chose rice?

Answer: ___

(1)

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36 Grace counted 12 ducks on a pond. Grace 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: ___ group(s) of five and ___ single stroke(s)

(1)

---

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

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

How many more children chose circle than square?

Answer: ___

(1)

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38 The pictogram shows the ways of coming to school of a class. Each (*) stands for 2 children.

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

How many chose bike?

Answer: ___

(1)

---

39 There are 9 cards. 5 are round and the rest are square.

How many more are round than square?

Answer: ___

(2)

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Mark scheme · 7.1 Statistics: Charts and Tally: 1-hour Pack

Question 1

6 cao — B1

Answer: **6**

Question 2

dogs cao — B1

Answer: **dogs**

Question 3

33 cao — B1

Answer: **33**

Question 4

dogs cao — B1

Answer: **dogs**

Question 5

1 cao — B1

Answer: **1**

Question 6

3 cao — B1

Answer: **3**

Question 7

5 cao — B1

Answer: **5**

Question 8

2 cao — B1

Answer: **2**

Question 9

yellow cao — B1

Answer: **yellow**

Question 10

17 cao — B1

Answer: **17**

Question 11

7 cao — B1

Answer: **7**

Question 12

5 cao — B1

Answer: **5**

Question 13

triangle cao — B1

Answer: **triangle**

Question 14

11 cao — B1

Answer: **11**

Question 15

8 cao — B1

Answer: **8**

Question 16

triangle cao — B1

Answer: **triangle**

Question 17

cheese cao — B1

Answer: **cheese**

Question 18

4 cao — B1

Answer: **4**

Question 19

15 + 8 + 3 (= 26) oe — M1

4 cao — A1

Answer: **4**

Question 20

1 cao — B1

Answer: **1**

Question 21

10 cao — B1

Answer: **10**

Question 22

14 - 5 = 9 — M1

4 cao — A1

Answer: **4**

Question 23

uses 2 for each symbol — M1

2 cao — A1

Answer: **2**

Question 24

5 cao — B1

Answer: **5**

Question 25

8 cao — B1

Answer: **8**

Question 26

40 cao — B1

Answer: **40**

Question 27

6 cao — B1

Answer: **6**

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Question 28

bananas cao **B1**

Answer: **bananas**

Question 29

pears cao **B1**

Answer: **pears**

Question 30

6 + 3 oe **M1**

9 cao **A1**

Answer: **9**

Question 31

3 cao **B1**

Answer: **3**

Question 32

cats cao **B1**

Answer: **cats**

Question 33

4 cao **B1**

Answer: **4**

Question 34

car cao **B1**

Answer: **car**

Question 35

30 cao **B1**

Answer: **30**

Question 36

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

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

Question 37

4 cao **B1**

Answer: **4**

Question 38

10 cao **B1**

Answer: **10**

Question 39

9 - 5 = 4 **M1**

1 cao **A1**

Answer: **1**

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