7.2 Statistics: Tally Charts and Pictograms: 2-hour Pack

STA NC-KS1-MATHS-STA · Calculators not allowed · about 120 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 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 sunny than windy?

Answer: ___

(1)

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2 The table shows the favourite sports of a class.

football: 2
swimming: 13
tennis: 11
running: 4

How many more chose swimming than tennis?

Answer: ___

(1)

---

3 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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4 A tally chart shows the side dishes chosen by a class. In a tally, ||||/ stands for 5.

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

Which was the most popular?

Answer: ___

(1)

---

5 The pictogram shows the side dishes of a class. Each (*) stands for 2 children.

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

Which was chosen by the most children?

Answer: ___

(1)

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6 A block graph shows the shapes of a class. The bar for circle reaches 2; the bar for square reaches 6; the bar for triangle reaches 4; the bar for star reaches 3.

How many children chose circle and triangle together?

Answer: ___

(1)

---

7 A block graph shows the favourite fruits of a class. The bar for apples reaches 8; the bar for bananas reaches 7; the bar for pears reaches 10; the bar for grapes reaches 2.

Which was chosen by the most children?

Answer: ___

(1)

---

8 Look at the table of pets and tallies (each full group of 5 is drawn as five strokes).
Cats |||| ||, Dogs |||| |||| ||, Fish ||||.
Which pet has the least? Write the pet.

Answer: ___

(1)

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9 A block graph shows the ways of coming to school of a class. The bar for bus reaches 10; the bar for car reaches 5; the bar for bike reaches 4; the bar for walk reaches 1.

How many children chose bus?

Answer: ___

(1)

---

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

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

Which was chosen by the most children?

Answer: ___

(1)

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

rice: ||||/ ||||

chips: ||||/ |

pasta: ||||/ ||||/ ||

bread: ||||/ |||

How many chose rice?

Answer: ___

(1)

---

12 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)

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

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

How many chose bears?

Answer: ___

(1)

---

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

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

How many children were seen on Monday?

Answer: ___

(1)

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15 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)

---

16 A block graph shows the types of weather of a class. The bar for sunny reaches 2; the bar for rainy reaches 6; the bar for cloudy reaches 10; the bar for windy reaches 1.

How many children chose rainy and sunny together?

Answer: ___

(1)

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

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

How many more chose salad than pizza?

Answer: ___

(1)

---

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

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

How many children chose altogether?

Answer: ___

(1)

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19 The table shows the sandwich fillings of a class.

cheese: 3
ham: 13
egg: 10
tuna: 8

Which was the most popular?

Answer: ___

(1)

---

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

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

How many chose running?

Answer: ___

(1)

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21 A block graph shows the favourite sports of a class. The bar for football reaches 8; the bar for swimming reaches 3; the bar for tennis reaches 2; the bar for running reaches 9.

How many more children chose running than swimming?

Answer: ___

(1)

---

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

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

How many more children chose ham than cheese?

Answer: ___

(2)

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23 A block graph shows the side dishes of a class. The bar for rice reaches 5; the bar for chips reaches 8; the bar for pasta reaches 1; the bar for bread reaches 2.

Which was chosen by the most children?

Answer: ___

(1)

---

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

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

How many (*) would be drawn for 2 children?

Answer: ___

(1)

---

25 There are 8 buttons. They are sorted into two groups. 2 of them are red. All the others are blue.

How many are blue?

Answer: ___

(1)

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26 The table shows the favourite colours of a class.

red: 4
blue: 2
green: 13
yellow: 7

Which was the least popular?

Answer: ___

(1)

---

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

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

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

Answer: ___

(1)

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28 There are 9 toys. They are sorted into two groups. 5 of them are big. All the others are small.

How many are small?

Answer: ___

(1)

---

29 Look at the pictogram. Key: 1 picture = 2 apples.
There are 4 apple pictures shown.
How many apples are there?

Answer: ___

(1)

---

30 The table shows the pets of a class.

cats: 6
dogs: 2
fish: 11
rabbits: 5

How many chose cats?

Answer: ___

(1)

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31 The pictogram shows the types of weather of a class. Each (*) stands for 2 children.

sunny: (*)
rainy: (*) (*) (*)
cloudy: (*) (*) (*) (*) (*)

How many children chose altogether?

Answer: ___

(2)

---

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

bus: 7
car: 13
bike: 14
walk: 4

Which was the least popular?

Answer: ___

(1)

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33 There are 8 toys. 3 are big and the rest are small.

How many more are small than big?

Answer: ___

(2)

---

34 The table shows the favourite sports of a class.

football: 2
swimming: 3
tennis: 14
running: 9

How many children chose altogether?

Answer: ___

(2)

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

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

How many children chose altogether?

Answer: ___

(2)

---

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

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

Which was the least popular?

Answer: ___

(1)

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

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

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

Answer: ___

(1)

---

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

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

How many children chose altogether?

Answer: ___

(2)

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39 A block graph shows the ways of coming to school of a class. The bar for bus reaches 2; the bar for car reaches 6; the bar for bike reaches 5; the bar for walk reaches 9.

How many children chose bus?

Answer: ___

(1)

---

40 A block graph shows the favourite fruits of a class. The bar for apples reaches 2; the bar for bananas reaches 10; the bar for pears reaches 8; the bar for grapes reaches 4.

How many more children chose bananas than pears?

Answer: ___

(1)

---

41 There are 13 cards. They are sorted into two groups. 7 of them are round. All the others are square.

How many are square?

Answer: ___

(1)

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42 The table shows the favourite colours of a class.

red: 5
blue: 9
green: 13
yellow: 12

How many children chose altogether?

Answer: ___

(1)

---

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

bus: 5
car: 6
bike: 14
walk: 9

How many chose car?

Answer: ___

(1)

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

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

How many (*) would be drawn for 6 children?

Answer: ___

(1)

---

45 There are 9 buttons. 4 are round and the rest are square.

How many more are square than round?

Answer: ___

(2)

---

46 A block graph shows the favourite fruits of a class. The bar for apples reaches 5; the bar for bananas reaches 6; the bar for pears reaches 3; the bar for grapes reaches 2.

Which was chosen by the most children?

Answer: ___

(1)

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47 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 2.

How many more children chose fish than rabbits?

Answer: ___

(1)

---

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

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

Which was the least popular?

Answer: ___

(1)

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49 A block graph shows the types of weather of a class. The bar for sunny reaches 8; the bar for rainy reaches 9; the bar for cloudy reaches 6; the bar for windy reaches 7.

How many more children chose sunny than windy?

Answer: ___

(1)

---

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

bus: 6
car: 9
bike: 12
walk: 2

How many more chose bus than walk?

Answer: ___

(1)

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

cats: |||
dogs: ||||

fish: ||||/	
rabbits: ||||/ ||||/	

How many children chose altogether?

Answer: ___

(2)

---

52 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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53 Hana counted 15 ducks on a pond. Hana 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)

---

54 A block graph shows the side dishes of a class. The bar for rice reaches 10; the bar for chips reaches 3; the bar for pasta reaches 5; the bar for bread reaches 6.

How many more children chose bread than chips?

Answer: ___

(1)

---

55 A block graph shows the pets of a class. The bar for cats reaches 4; the bar for dogs reaches 3; the bar for fish reaches 2; the bar for rabbits reaches 9.

Which was chosen by the most children?

Answer: ___

(1)

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56 A block graph shows the shapes of a class. The bar for circle reaches 9; the bar for square reaches 4; the bar for triangle reaches 3; the bar for star reaches 2.

How many children chose star and triangle together?

Answer: ___

(1)

---

57 A block graph shows the sandwich fillings of a class. The bar for cheese reaches 10; the bar for ham reaches 2; the bar for egg reaches 6; the bar for tuna reaches 3.

How many children chose ham?

Answer: ___

(1)

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58 The table shows the sandwich fillings of a class.

cheese: 8
ham: 13
egg: 7
tuna: 14

How many more chose tuna than ham?

Answer: ___

(1)

---

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

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

How many more chose star than triangle?

Answer: ___

(1)

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60 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)

---

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

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

Which was the least popular?

Answer: ___

(1)

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62 Femi counted 13 ducks on a pond. Femi 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)

---

63 A pictogram shows cakes. Key: 1 picture = 10 cakes.
There are 2 pictures and 3 single cake pictures (each single picture = 2 cakes because drawn small).
How many cakes are there in total?

Answer: ___

(1)

---

64 A block graph shows the pets of a class. The bar for cats reaches 6; the bar for dogs reaches 2; the bar for fish reaches 1; the bar for rabbits reaches 10.

How many children chose cats and fish together?

Answer: ___

(1)

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

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

How many (*) would be drawn for 2 children?

Answer: ___

(1)

---

66 A block graph shows the side dishes of a class. The bar for rice reaches 6; the bar for chips reaches 2; the bar for pasta reaches 7; the bar for bread reaches 1.

Which was chosen by the most children?

Answer: ___

(1)

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

The tally for Monday is: ||||

How many birds were seen on Monday?

Answer: ___

(1)

---

68 There are 9 buttons. They are sorted into two groups. 6 of them are red. All the others are blue.

How many are blue?

Answer: ___

(1)

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

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

How many chose apples?

Answer: ___

(1)

---

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

apples: ||||/ |
bananas: ||||/ |||
pears: ||||/ ||||/ ||||
grapes: ||||/ ||||/ ||

How many chose apples?

Answer: ___

(1)

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

apples: ||||/
bananas: ||
pears: ||||/ ||||/
grapes: ||||/ ||||/ |

How many chose grapes?

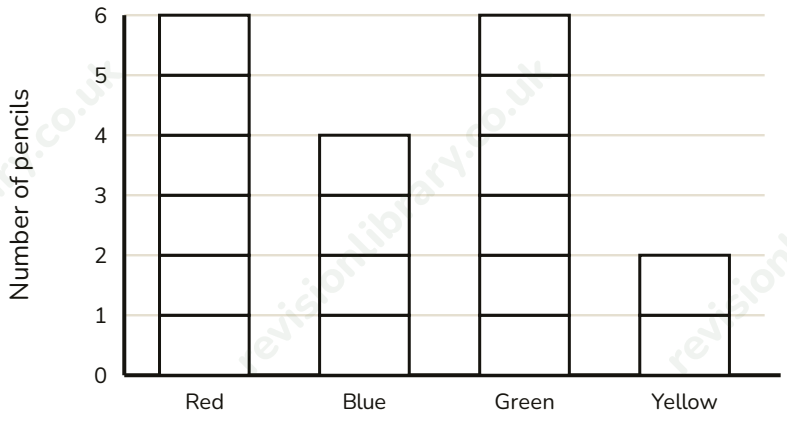
Answer: ___

(1)

---

72 A block diagram shows pencils for each colour.
Red = 6, Blue = 4, Green = 6, Yellow = 2.
Which two colours have the same number of pencils?

Answer: ___ and ___



(1)

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73 A block graph shows the favourite sports of a class. The bar for football reaches 2; the bar for swimming reaches 3; the bar for tennis reaches 7; the bar for running reaches 5.

How many more children chose swimming than football?

Answer: ___

(1)

---

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

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

How many more chose triangle than star?

Answer: ___

(1)

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

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

How many more children chose pears than bananas?

Answer: ___

(1)

---

76 A block graph shows the side dishes of a class. The bar for rice reaches 1; the bar for chips reaches 2; the bar for pasta reaches 10; the bar for bread reaches 4.

Which was chosen by the most children?

Answer: ___

(1)

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77 The table shows the pets of a class.

cats: 2
dogs: 8
fish: 10
rabbits: 12

Which was the most popular?

Answer: ___

(1)

---

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

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

How many more children chose pears than apples?

Answer: ___

(2)

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Mark scheme · 7.2 Statistics: Tally Charts and Pictograms: 2-hour Pack

Question 1

7 cao **B1**

Answer: **7**

Question 2

2 cao **B1**

Answer: **2**

Question 3

blue cao **B1**

Answer: **blue**

Question 4

bread cao **B1**

Answer: **bread**

Question 5

pasta cao **B1**

Answer: **pasta**

Question 6

6 cao **B1**

Answer: **6**

Question 7

pears cao **B1**

Answer: **pears**

Question 8

Fish cao **B1**

Answer:Fish

Working: Cats 5 + 2 = 7, Dogs 5 + 5 + 2 = 12, Fish 4. Fish is least.

Question 9

10 cao **B1**

Answer: **10**

Question 10

triangle cao **B1**

Answer: **triangle**

Question 11

9 cao **B1**

Answer: **9**

Question 12

11 cao **B1**

Answer: **11**

Question 13

9 cao **B1**

Answer: **9**

Question 14

10 cao **B1**

Answer: **10**

Question 15

13 cao **B1**

Answer: **13**

Question 16

8 cao **B1**

Answer: **8**

Question 17

6 cao **B1**

Answer: **6**

Question 18

11 cao **B1**

Answer: **11**

Question 19

ham cao **B1**

Answer: **ham**

Question 20

5 cao **B1**

Answer: **5**

Question 21

6 cao **B1**

Answer: **6**

Question 22

uses 2 for each symbol **M1**

2 cao **A1**

Answer: **2**

Question 23

chips cao **B1**

Answer: **chips**

Question 24

2 cao **B1**

Answer: **2**

Question 25

6 cao **B1**

Answer: **6**

Question 26

blue cao **B1**

Answer: **blue**

Question 27

5 cao **B1**

Answer: **5**

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Question 28

4 cao **B1**

Answer: **4**

Question 29

8 cao (4 pictures x 2 each) **B1**

Answer:8

Working: 4 x 2 = 8

Question 30

6 cao **B1**

Answer: **6**

Question 31

uses 2 for each symbol **M1**

18 cao **A1**

Answer: **18**

Question 32

walk cao **B1**

Answer: **walk**

Question 33

8 - 3 = 5 **M1**

2 cao **A1**

Answer: **2**

Question 34

adds the four numbers **M1**

28 cao **A1**

Answer: **28**

Question 35

uses 5 for each symbol **M1**

25 cao **A1**

Answer: **25**

Question 36

pasta cao **B1**

Answer: **pasta**

Question 37

2 cao **B1**

Answer: **2**

Question 38

uses 10 for each symbol **M1**

100 cao **A1**

Answer: **100**

Question 39

2 cao **B1**

Answer: **2**

Question 40

2 cao **B1**

Answer: **2**

Question 41

6 cao **B1**

Answer: **6**

Question 42

39 cao **B1**

Answer: **39**

Question 43

6 cao **B1**

Answer: **6**

Question 44

3 cao **B1**

Answer: **3**

Question 45

9 - 4 = 5 **M1**

1 cao **A1**

Answer: **1**

Question 46

bananas cao **B1**

Answer: **bananas**

Question 47

4 cao **B1**

Answer: **4**

Question 48

tennis cao **B1**

Answer: **tennis**

Question 49

1 cao **B1**

Answer: **1**

Question 50

4 cao **B1**

Answer: **4**

Question 51

adds the four numbers **M1**

24 cao **A1**

Answer: **24**

Question 52

egg cao **B1**

Answer: **egg**

Question 53

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

Answer: **3 groups of five and 0 single strokes**

Question 54

3 cao **B1**

Answer: **3**

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Question 55

rabbits cao **B1**

Answer: **rabbits**

Question 56

5 cao **B1**

Answer: **5**

Question 57

2 cao **B1**

Answer: **2**

Question 58

1 cao **B1**

Answer: **1**

Question 59

2 cao **B1**

Answer: **2**

Question 60

7 cao **B1**

Answer: **7**

Question 61

football cao **B1**

Answer: **football**

Question 62

2 groups of five and 3 single strokes cao **B1**

Answer: **2 groups of five and 3 single strokes**

Question 63

26 cao **B1**

Answer:26

Working: 2 large pictures = 2 x 10 = 20. 3 small pictures = 3 x 2 = 6. Total 20 + 6 = 26.

Question 64

7 cao **B1**

Answer: **7**

Question 65

2 cao **B1**

Answer: **2**

Question 66

pasta cao **B1**

Answer: **pasta**

Question 67

4 cao **B1**

Answer: **4**

Question 68

3 cao **B1**

Answer: **3**

Question 69

10 cao **B1**

Answer: **10**

Question 70

6 cao **B1**

Answer: **6**

Question 71

11 cao **B1**

Answer: **11**

Question 72

Red and Green cao **B1**

Answer:Red and Green

Working: both have 6 pencils.

Question 73

1 cao **B1**

Answer: **1**

Question 74

5 cao **B1**

Answer: **5**

Question 75

1 cao **B1**

Answer: **1**

Question 76

pasta cao **B1**

Answer: **pasta**

Question 77

rabbits cao **B1**

Answer: **rabbits**

Question 78

uses 10 for each symbol **M1**

20 cao **A1**

Answer: **20**

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