9.2 Statistics: Bar Charts and Tables: Test Pack

Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Here is a table showing the number of apples picked by each child.

Name	Apples
Amelia	4
Noah	2
Priya	5
Kwame	3

Write the number of apples picked by Priya.

(1)

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2 In a class of 34 pupils, 9 like tea, 10 like coffee and 3 like both.

How many pupils like neither?

Answer: ___

(2)

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3 A pictogram uses (*) for 2 items and (half) for 1 items.

Year 3: (*) (*) (*) (*) (half)
Year 4: (*) (*) (*)
Year 5: (*) (*) (*) (half)

How many whole symbols are needed to show 12 items?

Answer: ___

(2)

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4 Part of a train timetable is shown.

Hollin: 07:10
Fenwick: 07:18
Dunmere: 07:57
Eastleigh: 08:24

How many minutes does the train take to travel from Hollin to Eastleigh?

Answer: ___ minutes

(2)

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5 A school club survey is shown.

Boys: 15 chose Art, 5 chose Music
Girls: 26 chose Art, 10 chose Music

How many pupils were surveyed altogether?

Answer: ___

(3)

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6 The bar chart shows the number of cups of juice sold each hour:
9am 2, 10am 4, 11am 7, 12pm 5.
Which hour had the second highest sales?

(1)

---

7 A table shows the count of pets: Cats 5, Dogs 8, Fish 2. If two more fish are added, write the new total for fish and the new overall total.

(a) New number of fish after adding two more. **(1)**

(b) New overall total of pets after the two fish are added. **(1)**

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8 Here is a table of toys sold at a sale:
Cars 6, Dolls 6, Blocks 6.
Explain which toy was the most popular and why.

(2)

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9 A pictogram uses (*) for 10 items and (half) for 5 items.

Red: (*) (*) (*)
Blue: (*) (*) (half)
Green: (*) (half)

How many more items does Red show than Blue?

Answer: ___

(3)

---

10 In a class of 33 pupils, 11 like cheese, 14 like ham and 10 like both.

How many pupils like neither?

Answer: ___

(2)

---

11 The table shows the tickets sold for four groups.

Bus: 35
Car: 46
Walk: 33
Bike: 42

How many tickets were there for Bike?

Answer: ___

(1)

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12 A school club survey is shown.

Boys: 21 chose Football, 27 chose Netball
Girls: 16 chose Football, 12 chose Netball

How many pupils chose Football?

Answer: ___

(2)

---

13 A school club survey is shown.

Boys: 15 chose Chess, 13 chose Drama
Girls: 27 chose Chess, 12 chose Drama

How many boys were surveyed?

Answer: ___

(2)

---

14 Look at this frequency table for coloured cars on a street.

Colour	Number
Red	6
Blue	4
Green	3

How many cars are blue or green altogether?

(1)

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15 Part of a train timetable is shown.

Grange: 10:50
Ashby: 11:09
Hollin: 11:37
Dunmere: 12:02

How many minutes does the train take to travel from Grange to Ashby?

Answer: ___ minutes

(2)

---

16 A pictogram uses (*) for 10 items and (half) for 5 items.

Cats: (*) (half)
Dogs: (*) (*) (*) (*)
Fish: (*) (half)

How many items does Cats show?

Answer: ___

(2)

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17 Part of a train timetable is shown.

Grange: 11:10
Ashby: 11:26
Eastleigh: 11:49
Fenwick: 12:14

How many minutes does the train take to travel from Grange to Ashby?

Answer: ___ minutes

(2)

---

18 The table shows the number of visitors for four groups.

Mon: 26
Tue: 72
Wed: 38
Thu: 84

What is the total for all four groups?

Answer: ___

(3)

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19 The table shows the number of books borrowed for four groups.

Spring: 51
Summer: 55
Autumn: 33
Winter: 79

How many books were there for Summer and Winter together?

Answer: ___

(2)

---

20 Part of a train timetable is shown.

Hollin: 12:35
Eastleigh: 13:04
Dunmere: 13:43
Fenwick: 14:13

Grace arrives at Eastleigh station at 12:42.

How many minutes must they wait for the train?

Answer: ___ minutes

(2)

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21 The table shows the litres of rain for four groups.

Cats: 64
Dogs: 16
Fish: 29
Birds: 44

How many litres were there for Fish?

Answer: ___

(1)

---

22 In a class of 33 pupils, 27 like tea, 17 like coffee and 16 like both.

How many pupils like neither?

Answer: ___

(2)

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23 A class recorded favourite fruit. The table shows:
Apple 8, Banana 6, Orange 4. Complete the bar chart using these counts. What height should the bar for Banana be?

(1)

---

24 Part of a train timetable is shown.

Grange: 07:55
Eastleigh: 08:30
Bridgton: 08:37
Dunmere: 08:58

How many minutes does the train take to travel from Grange to Dunmere?

Answer: ___ minutes

(2)

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Mark scheme · 9.2 Statistics: Bar Charts and Tables: Test Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

5 cao — **B1**

Answer: **5**

Question 2

9 + 10 - 3 = 16 seen — **M1**

18 cao — **A1**

Answer: **18**

Question 3

divides by the key — **M1**

6 cao — **A1**

Answer: **6**

Question 4

finds the difference between the two times (counting on or subtracting) — **M1**

74 minutes cao — **A1**

Answer: **74 minutes**

Question 5

adds the boys — **M1**

adds all four — **M1**

56 cao — **A1**

Answer: **56**

Question 6

12pm cao — **B1**

Answer: **12pm**

Question 7

(a) 4 cao — **B1**

(a) Answer: **4**

(b) 17 cao — **B1**

(b) Answer: **17**

Question 8

States that all toys have the same number sold or gives correct equal counts (6, 6, 6) ft — **M1**

Concludes that no toy is most popular because they are all equal cao — **A1**

Answer: **No toy is most popular because cars, dolls and blocks each sold 6**

Question 9

uses the key — **M1**

subtracts — **M1**

5 cao — **A1**

Answer: **5**

Question 10

11 + 14 - 10 = 15 seen — **M1**

18 cao — **A1**

Answer: **18**

Question 11

42 cao — **B1**

Answer: **42**

Question 12

adds the boys and girls — **M1**

37 cao — **A1**

Answer: **37**

Question 13

adds both boys' values — **M1**

28 cao — **A1**

Answer: **28**

Question 14

7 cao — **B1**

Answer: **7**

Question 15

finds the difference between the two times (counting on or subtracting) — **M1**

19 minutes cao — **A1**

Answer: **19 minutes**

Question 16

uses the key — **M1**

15 cao — **A1**

Answer: **15**

Question 17

finds the difference between the two times (counting on or subtracting) — **M1**

16 minutes cao — **A1**

Answer: **16 minutes**

Question 18

adds at least two values — **M1**

adds all four values — **M1**

220 cao — **A1**

Answer: **220**

Question 19

addition seen — **M1**

134 cao — **A1**

Answer: **134**

Question 20

finds the wait between arriving and the departure time (counting on or subtracting) — **M1**

22 minutes cao — **A1**

Answer: **22 minutes**

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Question 21

29 cao	**B1**

Answer: **29**

Question 22

27 + 17 - 16 = 28 seen	**M1**
5 cao	**A1**

Answer: **5**

Question 23

6 squares cao	**B1**

Answer: **6**

Question 24

finds the difference between the two times (counting on or subtracting)	**M1**
63 minutes cao	**A1**

Answer: **63 minutes**

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