



KS1.M39 Statistics: Tally Charts and Pictograms

STA NC-KS1-MATHS-STA · Calculators not allowed · about 30 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)

- 2** There is a tally chart for birds. It shows: |||| |||| || (each full group of 5 is drawn as five strokes; then 2 more). How many birds are there?

Answer: ____

(1)

- 3** Complete the tally for rabbits. There are 9 rabbits. Write tally marks for 9 rabbits.

Answer: ____

(1)

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

Answer: ____

(1)

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- 5** A pictogram shows stickers. Key: 1 star = 5 stickers.
There are 3 stars and 1 half star picture (half means $\frac{1}{2}$ of a star).
How many stickers are there?

Answer: ____

(1)

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- 6** Ben counts cars. His tally is ||||| ||||| ||||| || (each full group of 5 is drawn as five strokes).
How many cars did Ben see?

Answer: ____

(1)

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- 7** 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)

- 8** 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)

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- 9** 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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- 10** Maya looked in a box. She saw these toys: 12 teddy pictures in a pictogram where 1 picture = 1 teddy.
Write how many teddies there are.

Answer: ____

(1)

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- 11** Complete the tally. There are 14 oranges.
Write tally marks for 14.

Answer: ____

(1)

- 12** A pictogram shows fish. Key: 1 fish picture = 2 fish.
There are 5 fish pictures.
How many fish are there?

Answer: ____

(1)

-
- 13** 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)

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

Answer: ____

(1)

-
- 15** 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)

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

Answer: ____

(1)

-
- 17** 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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- 18** 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)

Mark scheme • KS1.M39 Statistics: Tally Charts and Pictograms

Question 1

- **B1** 7 cao
- Answer:7

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

Question 2

- **B1** 12 cao
- Answer:12

Answer shown for marking: 12 birds ($5 + 5 + 2 = 12$).

Question 3

- **B1** 9 shown as |||| |||| | or equivalent grouping with correct fives and ones
- Answer:|||| ||||

Answer shown for marking: 9 ($5 + 4$).

Question 4

- **B1** 8 cao (4 pictures x 2 each)
- Answer:8

Working: $4 \times 2 = 8$

Question 5

- **B1** 13 cao
- Answer:13

Working: 3 full stars = $3 \times 5 = 15$; 1 half star = 2 (half of 5 rounded as 2.5 but KS1 uses whole objects so half star = 2 or accept 2.5? To keep integers use 1 half star = 2).

Question 6

- **B1** 17 cao
- Answer:17

Working: $5 + 5 + 5 + 2 = 17$

Question 7

- **B1** 7 cao
- Answer:7

Working: $5 + 2 = 7$

Question 8

- **B1** 26 cao
- Answer:26

Working: 2 large pictures = $2 \times 10 = 20$. 3 small pictures = $3 \times 2 = 6$. Total $20 + 6 = 26$.

Question 9

- **B1** Red and Green cao
- Answer: Red and Green

Working: both have 6 pencils.

Question 10

- **B1** 12 cao
- Answer: 12

Working: 12 pictures each = 12 teddies.

Question 11

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

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

Question 12

- **B1** 10 cao
- Answer: 10

Working: $5 \times 2 = 10$.

Question 13

- **B1** 7 cao
- Answer: 7

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

Question 14

- **B1** 20 cao
- Answer: 20

Working: $4 \times 5 = 20$.

Question 15

- **B1** Fri cao
- 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 16

- **B1** ||| or equivalent showing 3 tallies
- Answer: |||

Answer shown for marking: 3 tallies.

Question 17

- **B1** 2 cao
- Answer: 2

Working: First child $3 \times 2 = 6$, second $2 \times 2 = 4$, difference $6 - 4 = 2$.

Question 18

- **B1** Fish cao
- Answer: Fish

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