Year 1 Mathematics
Worksheet 51: Collecting Data (Tally Marks)

Name: _____   Date: _____

Section 1: Read the Tally

Count the tally marks and write the number.

1. ||||

Answer: _____

2. |||| (with diagonal)

Answer: _____

3. |||| (with diagonal) ||

Answer: _____

4. |||

Answer: _____

5. |||| (with diagonal) |||| (with diagonal)

Answer: _____

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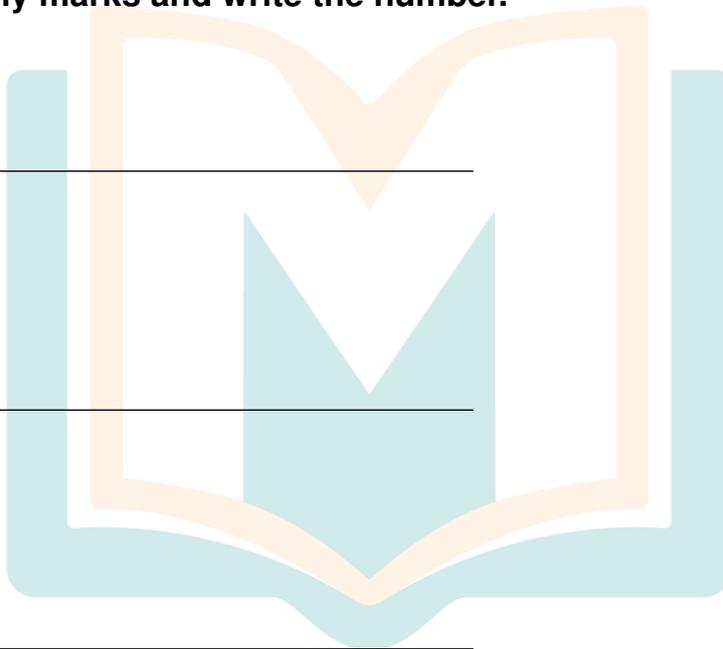
6. ||||/ |||

Answer: _____

7. ||||/ ||||/ ||

Answer: _____

8. ||||/ |

Answer: _____

Data Detective!

Joke Time: Why did the girl eat her homework? Because the teacher said it was a piece of cake!

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Section 2: Draw the Tally

Draw tally marks to show each number.

9. Draw tally marks to show the number 3.
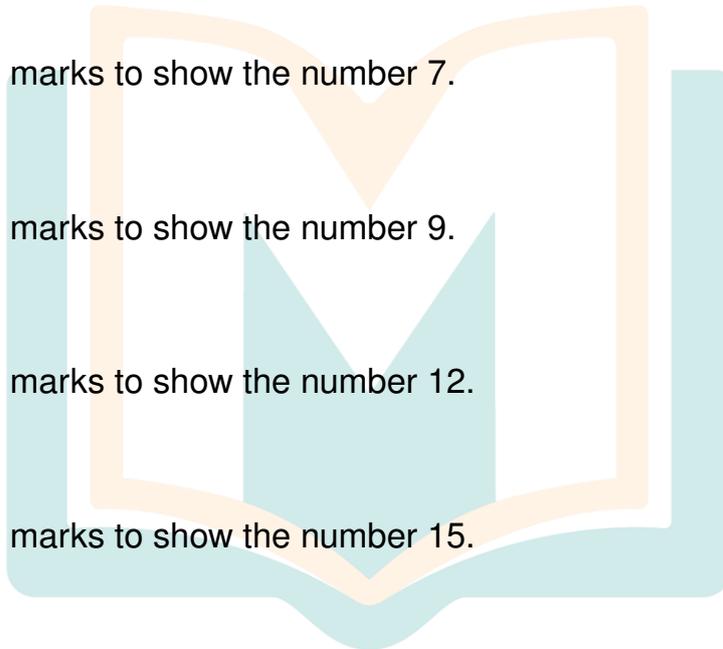
10. Draw tally marks to show the number 5.

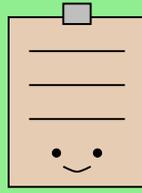**11.** Draw tally marks to show the number 7.

12. Draw tally marks to show the number 9.

13. Draw tally marks to show the number 12.

14. Draw tally marks to show the number 15.

15. Draw tally marks to show the number 4.

3

Graphing Greatness!

Joke Time: What do you call a number that can't stay in one place? A roamin' numeral!

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Section 3: Class Survey Challenge

Use tally marks to record survey data.

16. We asked 10 kids their favorite color. 6 said Blue. 4 said Red.
Draw tally marks for Blue:

Draw tally marks for Red:

17. In our class, 8 students like pizza and 7 students like pasta.
Draw tally marks for Pizza:

Draw tally marks for Pasta:

18. Look at these tally marks showing how many books each student read:

Sam: |||| Mia: |||| ||
Who read more books?
Answer: _____

19. Tom counted cars. Red cars: |||| Blue cars: |||| |
How many cars did Tom count altogether?
Answer: _____

20. A class voted for their favorite pet. Dogs got 9 votes. Cats got 6 votes.
Draw tally marks for Dogs:

5

Draw tally marks for Cats:
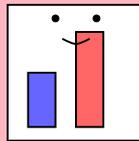
How many more students voted for Dogs than Cats?

Answer: _____

21. Emma counted flowers in the garden:

Roses: 11   Daisies: 8

Draw tally marks for Roses:

Draw tally marks for Daisies:

Data Detective!

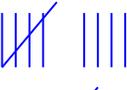*Joke Time: Why was the math book always worried? Because it had too many problems to count!*

Worksheet 51 - Answer Key

Section 1: Read the Tally

1. 4
2. 5
3. 7
4. 3
5. 10
6. 8
7. 12
8. 6

Section 2: Draw the Tally

9. Three tally marks: — — —

10. Five tally marks (one group of 5 crossed): 卌

11. Seven tally marks (one group of 5 crossed + two lines): 卌 ||

12. Nine tally marks (one group of 5 crossed + four lines): 卌 ||||

13. Twelve tally marks (two groups of 5 crossed + two lines): 卌 卌 ||

14. Fifteen tally marks (three groups of 5 crossed): 卌 卌 卌

15. Four tally marks: — — — —

Section 3: Class Survey Challenge

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16. Blue: 卌 | Red: ||||

17. Pizza: 卌 ||| Pasta: 卌 ||

18. Mia

19. 10 (cars)

20. Dogs: 卌 |||| Cats: 卌 | Difference: 3 (more students)

21. Roses: 卌 卌 | Daisies: 卌 |||

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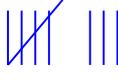
Year 1 Mathematics
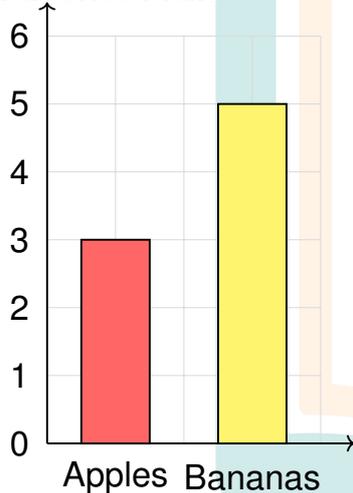## Worksheet 52: Picture Graphs & Column Graphs

Name: _____   **Date:** _____

Section 1: Read the Graph

Look at the column graph and answer the questions.

Favorite Fruit

1. How many people like Apples?

Answer: _____

2. How many people like Bananas?

Answer: _____

3. Which fruit is the most popular?

Answer: _____

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4. How many people voted altogether?

Answer: _____

Look at this picture graph showing favorite animals.

Dogs: ● ● ● ●

Cats: ● ● ● ● ● ●

Birds: ● ●

5. How many people like Dogs?
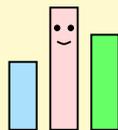
Answer: _____

6. How many people like Cats?

Answer: _____

7. How many people like Birds?

Answer: _____

8. Which animal is the least popular?

Answer: _____

Graphing Greatness!

Joke Time: Why did the picture go to jail? Because it was framed!
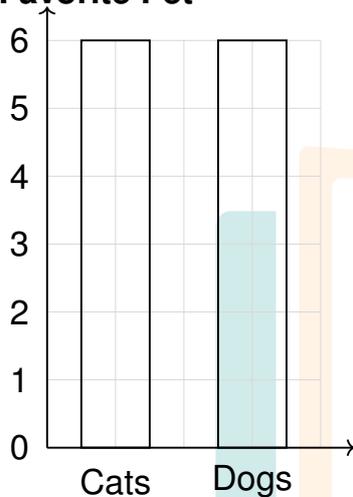
Section 2: Colour the Graph

Fill in the column graph to show the data.

9. 3 people like Cats. 5 people like Dogs. Colour the graph to show this.

Favorite Pet

```
6 |⊓⊓⊓ ⊓⊓⊓
5 |
4 |
3 |     ▓
2 |
1 |
0 |_____
   Cats  Dogs
```

10. Look at this data: Ice cream flavors

Chocolate: 4 votes   Vanilla: 6 votes

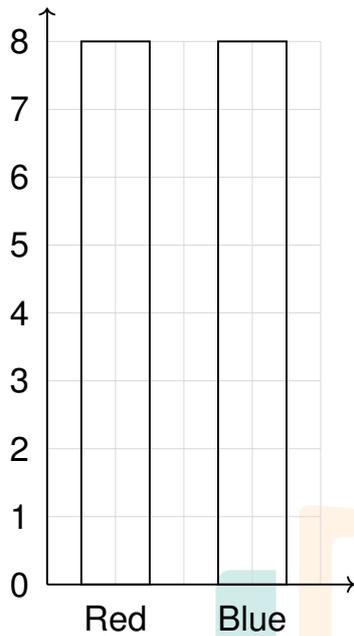Draw circles to make a picture graph. (Each circle = 1 vote)

Chocolate:

Vanilla:

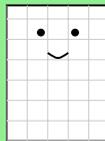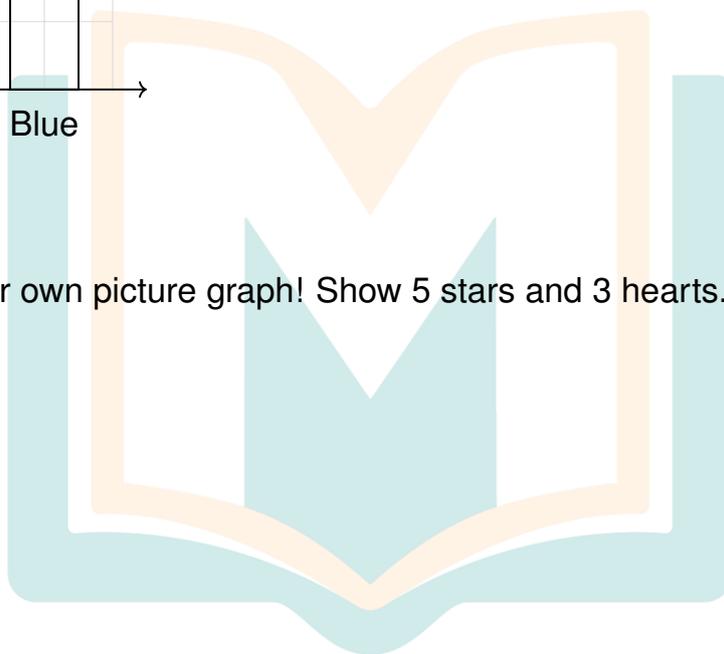**11.** Complete this column graph:

Red bikes: 2   Blue bikes: 7

11

8
7
6
5
4
3
2
1
0

Red   Blue

12. Make your own picture graph! Show 5 stars and 3 hearts.

Stars:

Hearts:

Data Detective!
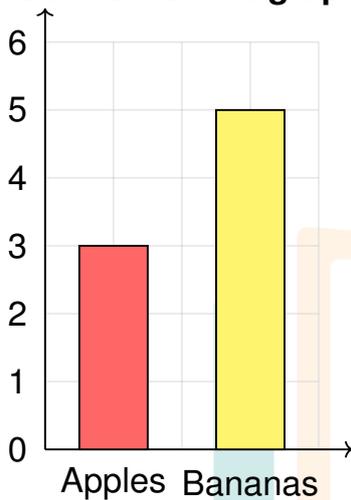
Joke Time: What did the triangle say to the circle? You're pointless!

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Section 3: Interpret Data Challenge

Answer questions about the graphs.

Look at the fruit graph from Section 1 again.

13. How many more people like Bananas than Apples?

Answer: _____

14. If 2 more people voted for Apples, how many people would like Apples?

Answer: _____

Look at this sports graph:

15. Which sport is the most popular?

Answer: _____

13

16. Which sport is the least popular?

Answer: _____

17. How many people chose Soccer or Tennis?

Answer: _____

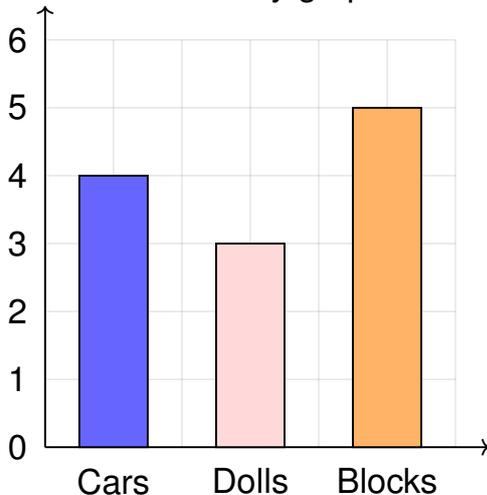**18.** How many more people like Soccer than Swimming?

Answer: _____

19. True or False: More people like Tennis than Swimming.

Answer: _____

20. If we asked 3 more people and they all said Swimming, how many people would like Swimming?
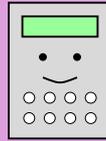
Answer: _____

21. Look at this toy graph:

14

Write down the toys in order from least popular to most popular:

Answer: _____

Graphing Greatness!

Joke Time: Why don't graphs ever get lost? Because they always follow the plot!

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Worksheet 52 - Answer Key

Section 1: Read the Graph

1. 3 (people)
2. 5 (people)
3. Bananas
4. 8 (people)
5. 4 (people)
6. 6 (people)
7. 2 (people)
8. Birds

Section 2: Colour the Graph

9. Cats column should be colored/filled to height 3; Dogs column should be colored/filled to height 5

10. Chocolate should show 4 circles; Vanilla should show 6 circles

11. Red column should be colored/filled to height 2; Blue column should be colored/filled to height 7

12. Drawing should show 5 stars and 3 hearts (accept any clear representation)

Section 3: Interpret Data Challenge

13. 2 (more people)
14. 5 (people)
15. Soccer
16. Swimming

16

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17. 12 (people) (7 + 5 = 12)
18. 3 (more people)
19. True
20. 7 (people) (4 + 3 = 7)
21. Dolls, Cars, Blocks (from least to most popular)

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