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# Bar Graphs and Line Plots 

Worksheet 1 Making Bar Graphs with Scales
Study the picture graph. Then complete.


Complete.
Example

represents 2 apples
2.


Complete the graph.
Example

| Kind of Coin | Penny | Nickel | Dime | Quarter |
| :--- | :---: | :---: | :---: | :---: |
| Number of Coins | 12 | 8 | 10 | 16 |


$\qquad$
$\qquad$
3.

| Kind of Food | Pizza | Pasta | Salad | Sandwich |
| :--- | :---: | :---: | :---: | :---: |
| Number of People | 12 | 8 | 16 | 20 |



Kind of Food

## Complete the table.

## Example

Count the number of times the vowels appear.
a a a a a a a a a
e e e e e e e e e e e e e e
i i i i i i i i i i i i
00000000000000000000
u u u u u u u u u u u u u u u

| Vowel | a | e | i | o | u |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number of Times <br> Vowel Appears | 9 | 15 | 12 | 18 | 15 |

Use the table to complete the bar graph.
Number of Apperance of Vowels


This bar graph uses a scale of 3. It starts with 0 and skips in threes. The greatest number on the scale is 21 because the graph needs to include all the data.
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4. Count the number of insects. Then complete the table.


| Kind of Insect | Butterfly | Bee | Dragonfly | Grasshopper |
| :---: | :--- | :--- | :--- | :--- |
| Number of <br> Insects |  |  |  |  |

5. Use the table in Exercise 4 to complete the bar graph.

Kind of Insects


## Use the data given to complete the bar graph.

6. Ali sells 90 sacks of rice.

Bonita sells 60 more sacks of rice than Ali .
Charlie sells 30 more sacks of rice than Bonita.

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## Worksheet 2 Reading and Interpreting Bar Graphs

The bar graph shows the number of people who went to the circus in a week.


## Use the bar graph on the previous page to answer questions 1 through 8.

1. How many people went to the circus on Monday?
2. How many people went to the circus on Friday?
3. On which day did 100 people go to the circus?
$\qquad$
4. On which day did 160 people go to the circus?
$\qquad$
5. On which day did the least number of people go to the circus?
$\qquad$
6. On which day did the greatest number of people go to the circus?
$\qquad$
7. How many more people went to the circus on Friday than on Wednesday?
$\qquad$
8. How many fewer people went to the circus on Monday than on Thursday?
$\qquad$
$\qquad$

## The bar graph shows the number of coins collected by Cheryl.

Coins Collected by Cheryl


Use the bar graph to answer questions 9 through 15.
9. Cheryl collected $\qquad$ dimes.
10. She collected $\qquad$ 50 $\$$ coins.
11. She collected 50 $\qquad$ .

- Nickel - $5 \$$ coin
- Dime - $10 \$$ coin
- Quarter - $25 \$$ coin
- Half dollar - 50 $\$$ coin


12. The coin she collected the least of is the
$\qquad$ -.
13. The coin she collected the most of is the

$\qquad$
14. She collected $\qquad$ fewer nickels than quarters.
15. She has twice as many $\qquad$ as $\qquad$ _.

## Ken's uncle has a fruit orchard.

There are 45 orange trees.
There are twice as many apple trees as orange trees.
There are 45 more mango trees than apple trees.
There are 30 fewer guava trees than mango trees.
16. Use the data to help Ken complete the bar graph.

Trees in a Fruit Orchard


## Use the bar graph to answer questions 17 through 21.

17. How many apple trees are there? $\qquad$
18. How many guava trees are there? $\qquad$
19. The greatest number of trees are $\qquad$ trees.
20. The least number of trees are $\qquad$ trees.
21. How many more orange trees must be planted so that the number of orange trees and the number of guava trees are the same? $\qquad$
$\qquad$

## Worksheet 3 Line Plots

Complete the tally chart.
Then use the data in the tally chart to make a line plot.

## Example

The tally chart shows the number of points scored by some students in a math quiz.

| Number of Points |
| :--- |
| Number of <br> Points Tally Number of <br> Students <br> 7 HI III 8 <br> 8 HI 5 <br> 9 LII 44 <br> 10 HI 5 |



Number of Points

Each $\boldsymbol{X}$ stands for 1 student.

The tally chart shows the number of books read by some students in February.

## Complete the tally chart.

1. 

| Number of <br> Books Read | Tally | Number of <br> Students |
| :---: | :---: | :---: |
| 3 | /I// | 4 |
| 4 | HH / | $\square$ |
| 5 | HH | $\square$ |
| 6 |  |  |

Use the data in the tally chart to complete the line plot.
2.

$\qquad$
$\qquad$

## Use the data in the line plot to answer the questions.

3. What does each $X$ on the line plot stand for? $\qquad$
4. How many students read 4 books in February?
$\qquad$ students
5. How many students read more than 4 books in February?
$\qquad$ students
6. What is the greatest number of books read by any student in February?
$\qquad$ books
7. How many students were surveyed?
$\qquad$ students


Andy counted the erasers in different boxes.

## Use the data in the line plot to answer the questions.


8. What does each $\boldsymbol{X}$ on the line plot stand for?
9. How many boxes contain 13 erasers? $\qquad$ boxes
10. What is the most common number of erasers per box?
$\qquad$ erasers
11. How many boxes were counted?
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