Third Grade
Answer Key
Unit 8: Data & Financial Literacy

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Problem of the Day

Lesson 1
Solve for the missing sides.
P = 56 feet

15 ft.

15 ft.

Answer: _____**13 ft**_____
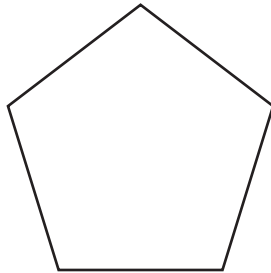
Lesson 2
Name the figure below and determine its attributes.
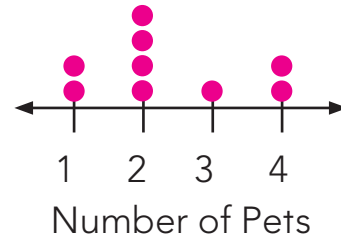
Sides: _____**5**_____

Edges: _____**5**_____

Vertices: _____**5**_____

Lesson 3
Examine the table below. What is the frequency that blue is repeated?

Favorite Colors			
blue	red	green	black
blue	red	blue	red
black	blue	green	blue

Answer: _____**5**_____

Lesson 4
Examine the table below and use the data to create a dot plot.

Number of Pets					
Person	Number of Pets	Person	Number of Pets	Person	Number of Pets
Person 1	1	Person 4	4	Person 7	2
Person 2	2	Person 5	3	Person 8	2
Person 3	4	Person 6	2	Person 9	1

1   2   3   4
Number of Pets

Lesson 5
Using the dot plot from Lesson 4, answer the questions below.

1. Which number of pets was the most popular?

Answer: _____**2**_____

2. How many people were asked about the number of pets they had?

Answer: _____**9**_____

Problem of the Day

Lesson 6

Examine the pictograph below. How many people determined that their favorite color was blue or yellow?
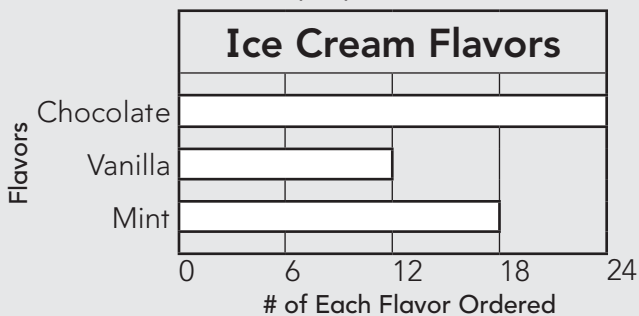
Favorite Marker Color	
red	🖊🖊🖊🖊🖊🖊
blue	🖊🖊🖊🖊🖊🖊🖊🖊
yellow	🖊🖊🖊
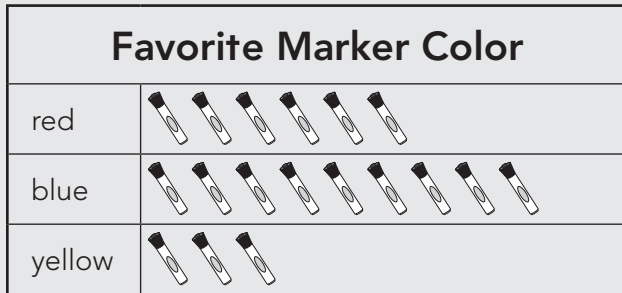
Each 🖊 = 2 votes

Answer: _____ 24 _____

Lesson 7

Using the pictograph from Lesson 6, how many people voted for their favorite color?

Answer: _____ 36 _____

Lesson 8

Examine the bar graph below. Which flavor is the most popular?

Ice Cream Flavors

Flavors: Chocolate, Vanilla, Mint

# of Each Flavor Ordered
0   6   12   18   24

Answer: _____ Chocolate _____

Lesson 9

Using the bar graph from Lesson 8, answer the questions below.

1. Which flavor was the least popular? How many people voted for it?

   Answer: ___vanilla___ ___12___

2. How many people voted for their favorite flavor?

   Answer: _____ 54 _____

Lesson 10

Examine the table below.

Randy's Extra Job Choices	
Tutoring	$20 per hour
Mowing Lawns	$25 per hour
Dog Walking	$10 per hour
Raking Leaves	$15 per hour

If Randy decides to tutor for 5 hours and walk dogs for 6 hours, how much income will he earn?

Answer: _____ $160 _____

Problem of the Day

Lesson 11

Josh runs a local bakery that sells all types of bread. For over a week, the banana nut bread has sold out. What should Josh do about the price of the bread?

A. Leave the price the same.
B. Increase the price.
C. Decrease the price.

Lesson 12

Nolan wants to buy a new pair of ski boots for on credit for 8 payments of $42. How much will Nolan pay for the ski boots if he buys them on credit?

Answer: **$336**

Lesson 13

Grace went to the store to buy a new watch that costs $220. If she decides to buy the watch on credit for 6 payments of $38, how much interest will Grace pay?

Answer: **$8**

Lesson 14

Describe the difference between planned and unplanned spending. Give an example of each.

Sample answer: Planned spending is when you save up to buy something. For example, I saved my money to buy a new basketball. Unplanned spending is when you buy something you did not intend to buy. Last week I bought a bar of chocolate at the grocery store on my way out. It was not on my grocery list.

Lesson 15

Chelsea needs to buy a new backpack for school. If she works to save money from her tutoring job, would the purchase of the backpack be planned spending or unplanned spending? Explain.

Sample answer: The backpack would be planned spending because she is saving her money to buy it.

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Problem of the Day

Lesson 16

Ethan wants to save $500 for a new gaming system. If he saves $95 a month, how many months will it take until he can buy the system?

Answer: _____ **6 months** _____

Lesson 17

Abby is saving money for a racing bike. If she saves $75 a month for the next 8 months, how much money will she save?

Answer: _____ **$600** _____

Lesson 18

Brett earned $95 washing cars. If he buys a new pair of shoes for $45 and a cap for $15, how much money will Brett have remaining?

Answer: _____ **$35** _____

Lesson 19

Tasha made $100 babysitting over the weekend. What are some decisions that Tasha needs to make regarding the money she earned? Does she have options about what to do with the money? Explain.

Sample answer: Tasha needs to decide if she should save her money or spend it. She could put her money into a savings account at a bank instead of spending it.

Lesson 20

Tom's Trendy Footwear store has an overstock on sandals. What should the store do to the price of the sandals in order to make room for the new shoes that will come in? Explain your answer.

Sample answer: They should decrease the price on the overstock sandals.
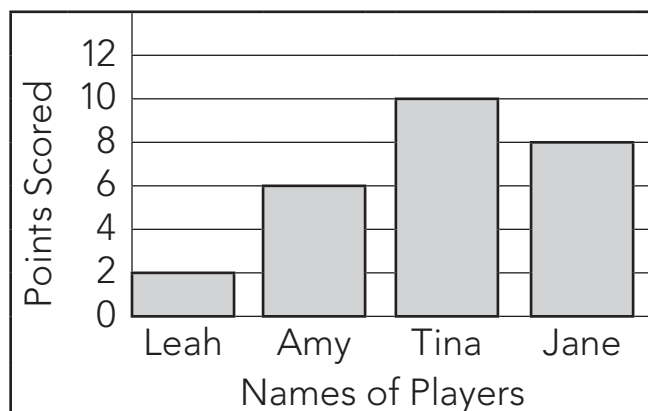
Pre-Assessment

Read each problem below and solve.

Examine the graph below. Use the graph to answer numbers 1–2.

1. Look at the graph. How many points did Amy and Jane score in all?

Answer: _____**14 points**_____

2. How many more points did Tina score than Leah?

Answer: _____**8 points**_____

3. A job that requires more special training and knowledge is more likely to
   A. pay a lower wage
   B. pay a smaller salary
   C. pay a higher wage
   D. require less schooling

4. Jordan decides to wash cars over the summer. If he washes 10 cars a week for $7 each, how much money will Jordan earn in 6 weeks?
   A. $70
   B. $320
   C. $420
   D. $60

5. Patty bought a phone on credit. The phone costs $350. Patty paid for the phone in 7 payments of $50, plus $3 in interest on each payment. How much money did Patty pay in interest?
   A. $18
   B. $21
   C. $368
   D. $53

Points Scored (y-axis): 0, 2, 4, 6, 8, 10, 12
Leah, Amy, Tina, Jane
Names of Players

Frequency Table

Answers will vary.

Information collected is called _____**data**_____.

A frequency table _____**shows**_____ data collected by rewriting it

using _____**columns**_____ and _____**rows**_____.

Favorite Pet		
cat	dog	bird
fish	cat	bird
dog	fish	cat
cat	cat	bird
bird	cat	dog

Favorite Pet		
Kind of Pet	Tally	Number
cat	**卌 |**	**6**
fish	**||**	**2**
dog	**|||**	**3**
bird	**||||**	**4**

1. Complete the frequency table.

2. How many people answered the pet survey?

   Answer: _____**15**_____

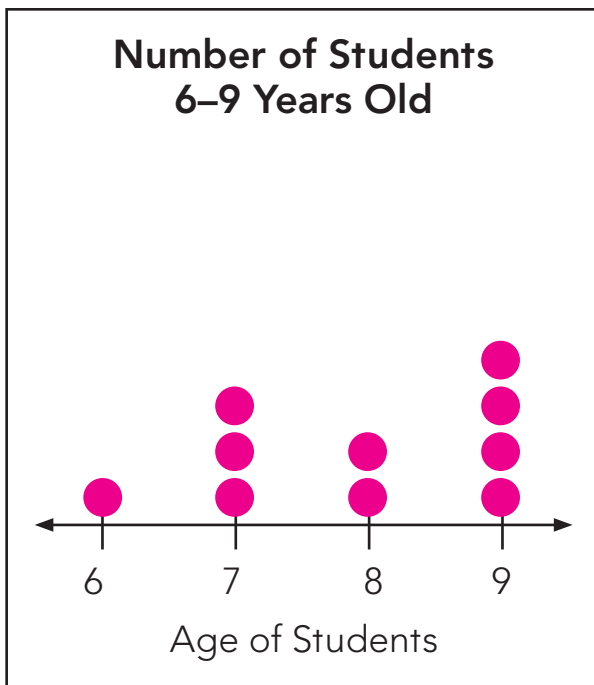3. Which pet was chosen the most often and least often?

   most: _____**cat**_____

   least: _____**fish**_____

Dot Plot

Answers will vary.

A dot plot is a way to _____**organize**_____ data

on a _____**number**_____ _____**line**_____ .

Number of Students 6–9 Years Old			
student	age	student	age
#1	7	#6	7
#2	8	#7	9
#3	9	#8	8
#4	6	#9	7
#5	9	#10	9

Number of Students 6–9 Years Old

Age of Students

1. Use the table above to create a dot plot.

2. How many dots are shown for the age of 8?

   Answer: _____**2**_____

3. Which age had the most dots? Which age had the fewest dots?

   most: _____**9**_____

   fewest: _____**6**_____

Pictograph

Answers will vary.

A pictograph uses ____**pictures**____ or ____**drawings**____ to display data.

Mrs. Smith's class conducted a survey on the students' favorite type of music. Below are the results from the survey on a pictograph. Examine the pictograph and answer the questions below.

Favorite Music Genre	
Country	◉ ◉ ◉ ◉ ◉ ◉
Pop	◉ ◉ ◉ ◖
Classical	◉ ◖
Rock	◉ ◉ ◉ ◉

Each ◉ = 2 votes   Each ◖ = 1 vote

1. Analyze the pictograph and determine the number represented in each category.

2. How many people voted for rock music in the survey? Answer: _____**8**_____

3. Which music genre was the most popular? Answer: _____**country**_____

   How many people voted for that genre? Answer: _____**12 people**_____

4. Which music genre was the least popular? Answer: _____**classical**_____

   How many people voted for that genre? Answer: _____**3**_____

Bar Graph

Answers will vary.

A bar graph is used to _____**organize**_____ and _____**display**_____ data.

Robbie, Trey, Jack, and David made a bar graph to compare the number of baskets they scored in their basketball season. Use the graph below to analyze the data and answer questions.

Baskets Scored Results

Number of Baskets Scored

12
10
8
6
4
2
0

Robbie · Trey · Jack · David

Name of Players
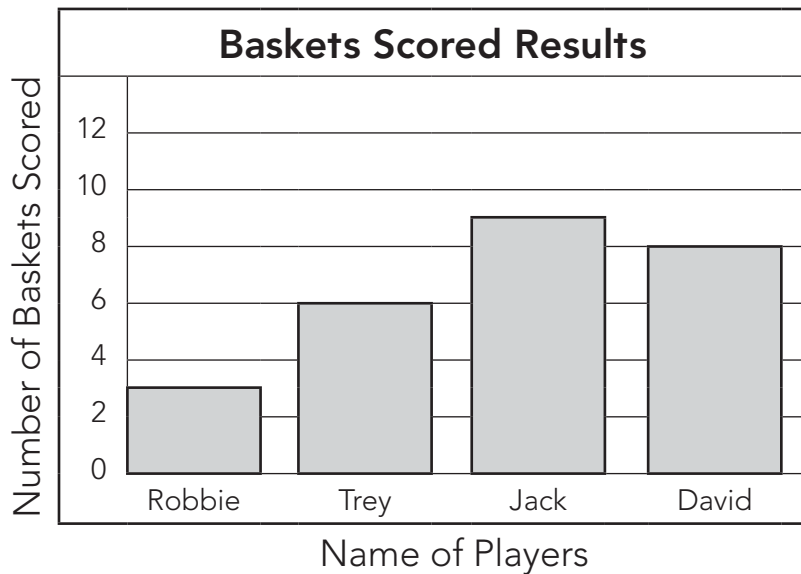
1. Analyze the bar graph and determine the number represented in each category.

2. How many points did Jack score?

   Answer: _____**9 points**_____

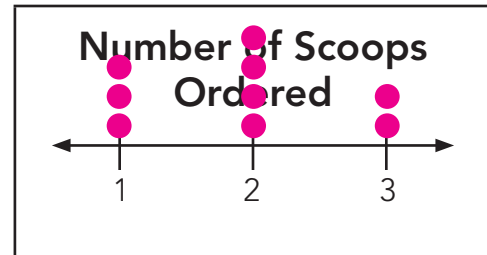3. How many more points did David score than Robbie?

   Answer: _____**5 points**_____

Graphing Word Problems

1. Ice Cream Galore made the table below to show how many people ordered scoops of ice cream. Complete the dot plot to reflect the data.

Number of Scoops Ordered					
person	# of scoops	person	# of scoops	person	# of scoops
#1	3	#4	1	#7	3
#2	2	#5	2	#8	1
#3	1	#6	2	#9	2

Number of Scoops Ordered

1   2   3

2. The graphs below show the weights of two babies in two different months. What information is missing?

March Weight

Weight (pounds)

Randi   Kerry

Name

May Weight

Weight (pounds)

Randi   Kerry
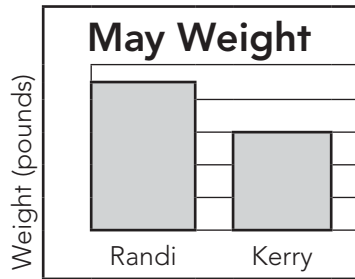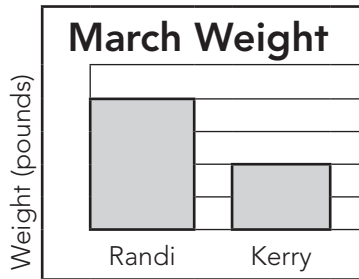
Name

A. The date

B. The numbers

C. The months

D. The names

Examine the bar graph below and answer questions 3–4.

Favorite Color

Number of Votes

10
8
6
4
2
0

Blue   Green   Red
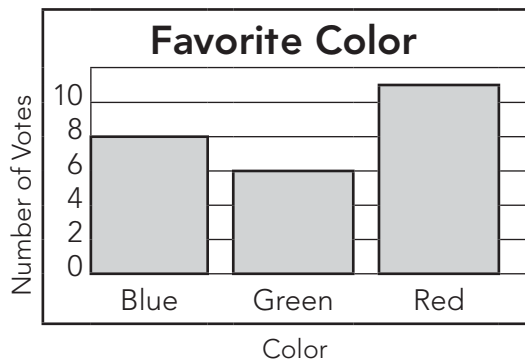
Color

3. Which color was the most popular? How many people selected that color?

red   9 people

4. How many more people selected red than green?

3 people

Examine the pictograph below and answer questions 5–6.

Number of Bears Purchased	
Monday	🐻 🐻 🐻 🐻
Tuesday	🐻 🐻 🐻
Wednesday	🐻 🐻
Thursday	

Each 🐻 = 4 bears

5. The graph should show that the Bear Workshop sold 48 bears Monday through Thursday. How many bears need to be added to Thursday to show 48 bears sold?

3 bears

6. How many more bears were sold on Monday than Wednesday?

4 bears

Data and Graphing Quiz

1. Examine the frequency table below and complete the dot plot.

Mandy's Vocabulary Scores					
Quiz #	Score	Quiz #	Score	Quiz #	Score
#1	90	#6	80	#11	90
#2	80	#7	85	#12	100
#3	70	#8	100	#13	80
#4	100	#9	90	#14	85
#5	100	#10	75	#15	75

Vocabulary Quiz Scores

70 75 80 85 90 95 100
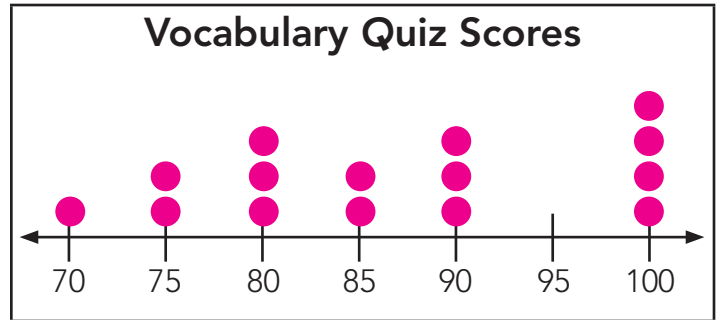
2. How many scores were between 85 and 95?

3

3. Which two scores were on the most tests?

100, 90, 80

4. Which two scores were on the fewest tests?

70, 85

Answers will vary based on how students interpret the numbers on the graph.

Examine the bar graphs below and answer the questions.

Mrs. White

15
9
3

Girls   Boys

Mrs. Adams

15
9
3

Girls   Boys
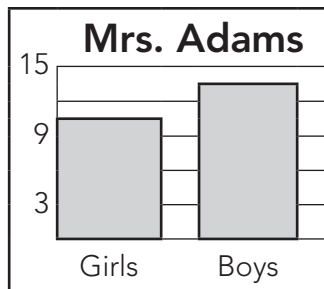
5. How many boys are in Mrs. Adam's class?

13 boys

6. How many more girls does Mrs. White have than Mrs. Adams?

2 girls

7. How many students are in both classes?

44 students

Examine the pictograph and answer the questions.

Ice Cream Cones Sold	
May	▽▽▽▽▽
June	▽▽▽▽▽
July	▽▽▽▽▽▽▽
August	▽▽▽▽

Each ▽ = 3 cones

8. How many cones were sold in June?

15 cones

9. How many more ice cream cones were sold in May than in August?

6 cones

10. What was the total number of ice cream cones sold in June, July, and August?

51 cones

Income

Answers will vary.

The amount of money _____**organize**_____ for doing _____**organize**_____.

Labor	Mental and or physical effort put in to complete work Examples: **Mowing lawns, raking leaves, moving boxes**

Human Capital	Skills, knowledge, or experience needed by a person to work Examples: **customer service, accountant, teacher**

1. Examine the table below to see how Jodie makes her income. If Jodie teaches 9 piano lessons a week and tutors 7 times in a week, how much money would she earn?

Jodie's Sources of Income	
Piano Lesson	$30
Tutoring Session	$25

Jodie will earn $445.

2. What kind of skills would Jodie need to be a tutor and teach piano lessons? Brainstorm and write your list below.

Sample answers:
Good at school
Patient
Know how to play the piano

Scarcity

How does scarcity impact the cost of items?

When there is a _____ shortage _____

of _____ goods the price can increases. _____

_____ .

EXAMPLE ONE	Monty's Market sells apples. The farm that supplies their apples suffered a huge drought and only a few barrels of apples were produced. What will happen to the price of the apples? Analyze the situation and explain. **Sample answer: The price of apples will increase because there were not as many apples due to the drought.**

EXAMPLE TWO	Gina's hair salon sells "All Natural Blonde Shampoo." The product did not become popular and did not sell well. The hair salon has lots of extra bottles. What will happen to the price of the shampoo? Analyze the situation and explain. **Sample answer: The price of the shampoo will decrease because the salon will need to get rid of it to make room for new products.**

Credit

What does it mean to pay with credit?

Answers will vary.

When something is **too expensive**

but _____ **you pay** _____

for _____ **it later** _____

_____.

$419
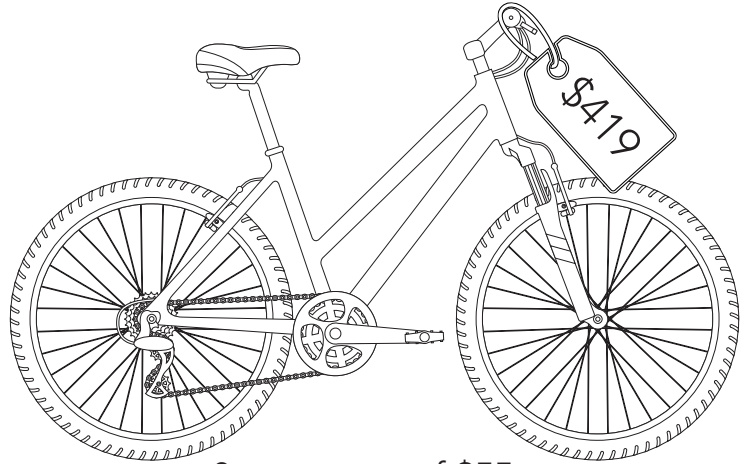
8 payments of $55

EXAMPLE ONE

Sally wants to buy a bike. Examine the tag on the bike. She does not have all the money to buy it. How much more money will Sally spend buying the bike on credit instead of paying for the bike with cash up front?

$440

EXAMPLE TWO

Veronica needs to buy new tires for her car. She can pay $150 up front for all the tires or use credit and pay 9 payments of $20. How much more money will Veronica spend on the tires if she buys them on credit?

$30

Interest

How does a person build up interest?
Answers will vary.

Additional money that is
_____**paid**_____ when

money is _____**overdue**_____

or _____**late**_____ .

$250
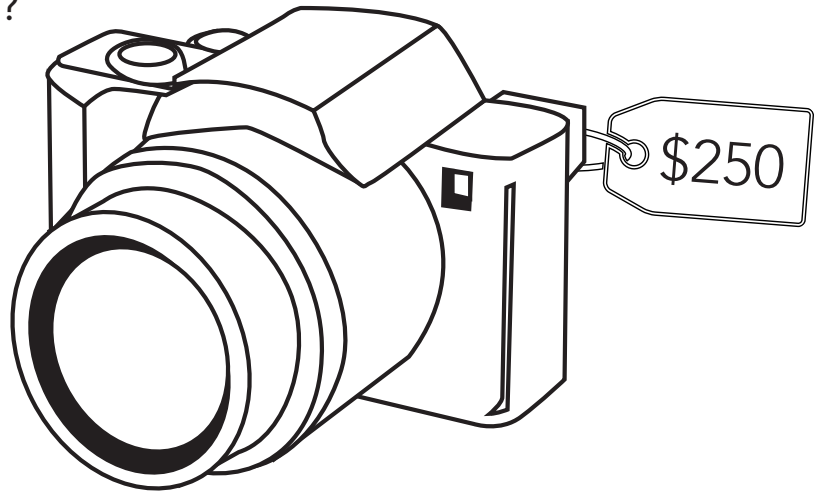
4 payments of $70

EXAMPLE ONE	Mike wants to buy a new camera. The camera costs $250 up front with cash or Mike could pay on credit for 4 payments of $70. If Mike chooses to pay on credit, how much interest will he pay on the camera? **$30**

EXAMPLE TWO	Madison buys a new pair of silver earrings. The earrings originally cost $115, but Madison buys the earrings with credit. If Madison pays $25 a month for 5 months, how much interest is Madison paying? **$10**

Planned vs. Unplanned Spending

PLANNED SPENDING

Paying money that is expected toward a good or service; expense planned ahead of time.

Examples:

Sample answers:
- **Paying for a dentist visit**
- **Saving for college**

UNPLANNED SPENDING

Paying money that is not expected toward a good or service; an expense not planned in advance.

Examples:

Sample answers:
- **Buying candy at the checkout line**
- **Paying for medicine**

EXAMPLE ONE

Kerri saved her money for two months to buy a new laptop. When Kerri went to the store to buy her laptop, she paid in cash and did not have to use credit. Would this be an example of planned or unplanned spending? Explain.

Answer: _____**planned**_____

EXAMPLE TWO

Marcus was driving one day when he got a flat tire. The tire could not be repaired and had to be replaced. Is this an example of planned or unplanned spending? Explain.

Answer: _____**unplanned**_____

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Savings Plan

Answers will vary.

What kind of plan can I make to save money?

_____ **Saving** _____ money is
_____ **setting** _____ money
aside to spend in the _____ **future** _____.

EXAMPLE ONE

Kenna wants to buy a new phone that costs $250. If Kenna saves $50 a month, how many months will it take Kenna to save enough? Complete the table below to solve.

Month	1	**2**	**3**	**4**	**5**
Total Saved	$50	**$100**	**$150**	**$200**	**$250**

Answer: _____ **5 months** _____

EXAMPLE TWO

Tayden wants to start saving for college. If he saves $25 a month for a year, how much money will he save? Draw a table to show your work.

Answer: _____ **$300** _____

Answers will vary.

Income Decisions

How do I decide what to do with my income?

_____ **Income** _____ is the

amount of money _____ **earned** _____.

AFTER BILLS, WHAT CAN BE DONE WITH THE REMAINING INCOME?		
Spending	Saving	Charity

EXAMPLE ONE

Katie earned $80 babysitting. She pays her parents the $30 she owes them and buys a new watch for $25. How much money does Katie have left over? What can she do with the remaining money?

Katie will have $25 left over. She can save that money or spend it.

EXAMPLE TWO

Jacob wants to earn money to buy a new game and to donate to charity. Jacob's new game costs $50 and he wants to donate at least $75 to charity. If Jacob rakes leaves for $30 a lawn, how many lawns does he have to rake to earn enough money to buy his game and donate to charity?

5 months

Personal Finance Quiz

Use the word bank to fill in the statements below. Each word can be used only one time.

Word Bank	income	credit	scarcity
	expense	interest	labor

1. ____**interest**____ is when a person pays more money because money was borrowed or loaned.

2. A person pays with ____**credit**____ when they purchase an item, but pay for it later.

3. The amount of money someone pays for a good or service is called an ____**expense**____.

4. The service a person provides to earn an income is called ____**labor**____ .

5. The amount of money a person makes is called their ____**income**____.

6. ____**scarcity**____ is when there is a shortage of supplies.

Read each problem below and solve.

7. Jared wanted to buy a bike that costs $300. When he went to the store, he found out it was on sale for $250. Jared bought the bike on credit and will pay 8 payments of $33. How much interest will Jared pay on the bike? Solve and record your answer below.

$264, or $14 in interest

8. Leanne works as a lifeguard at the neighborhood pool. She earns $55 a day. If she works 6 days in a row, how much money will she earn? Solve and record your answer below.

$330

9. Bailey's Bakery is open for breakfast every day. They always sell out of their cinnamon chocolate muffins. If the muffins are in such high demand, what should Bailey's Bakery do to the price? Write your answer below and explain why.

Sample answer: Bailey should raise the price of the muffins.

10. Ronnie saved his money for a month to buy a new video game. When he arrived at the store, he saw that controllers were on sale and decided to purchase one. Was the purchase of the controller planned or unplanned spending? Explain your answer.

Sample answer: Ronnie's purchase was unplanned. He was saving for a video game but bought a controller instead

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Assessment

Read each problem below and solve.

1. Jason wants to buy a new desk that costs $180. If he saves $22 a week, how many weeks will it take Jason to save for the desk?

Answer: _____**9 weeks**_____

2. The local gift shop has an overstock of postcards. In order to sell more of the postcards, what should the gift shop do to the price of the postcards?
   A. Raise the price.
   B. Keep the price the same.
   C. Lower the price.

3. Claire found a desk she wants to buy for $350 cash or 7 payments of $53. How much interest will Claire pay on the desk if she pays with credit?

Answer: ___**$371, or $21 in interest**___

4. What are some examples of labor? List at least 3 examples.

Sample answers: mowing lawns,

cashier, accountant

_____

_____

5. Explain scarcity.

Sample answer: Scarcity is when

there is a shortage of supply.

_____

_____

6. Trinity earns $35 babysitting. She needs to buy a new binder for school that costs $5 and a new lunchbox for $20. How much money will Trinity have left?

Answer: _____**$10**_____

Read each problem below and solve.

7. Pablo earns $40 a week mowing his neighbor's lawn. If Pablo works for 9 weeks, how much money will he earn?

Answer: _____ $360 _____

8. Alan saved his money for three months and went to the store to buy a new dishwasher. While he was there, he decided to buy a microwave. What kind of spending was the dishwasher?
 A. unplanned
 B. planned

9. Quinn found a table she wants to purchase. The table costs $455 or she could buy on credit and pay 9 payments of $55. If Quinn buys the table on credit, how much will it cost?

Answer: _____ $495 _____

10. What does it mean to buy something on credit? Explain below.

Sample answer: Credit is when

you take something home and

pay for it later.

_____

11. What are some decisions a person has to make after earning an income?

Sample answer: The person

needs to decide to what they are

going to do with their income.

How much do they want to spend

and how much they want to save.

12. George wants to buy a new TV. The TV costs $299 and George can save $24 a week. How many weeks will it take George to save for the TV?
 A. 11 weeks
 B. 12 weeks
 C. 13 weeks
 D. 14 weeks

Use the graphs below to answer questions 13–15.

Number of Eggs Found						
person	number of eggs	person	number of eggs	person	number of eggs
#1	18	#6	18	#11	15
#2	20	#7	18	#12	16
#3	15	#8	19	#13	17
#4	16	#9	20	#14	16
#4	17	#10	20	#15	20

Number of Eggs Found
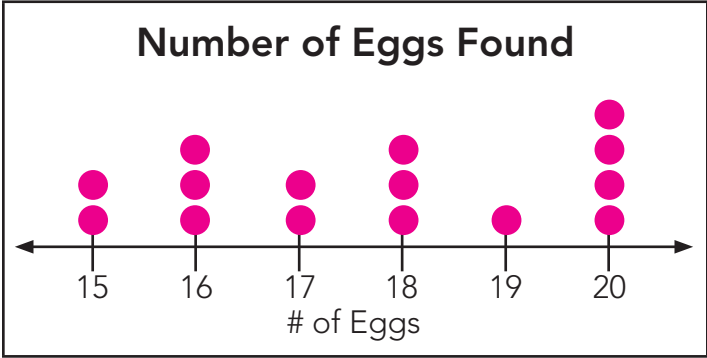
13. Complete the dot plot next to the table.

14. How many people found 17 or more eggs?

Answer: _____ 10 people _____

15. How many people found fewer than 18 eggs?

Answer: _____ 7 people _____

Use the graphs below to answer questions 16–17.
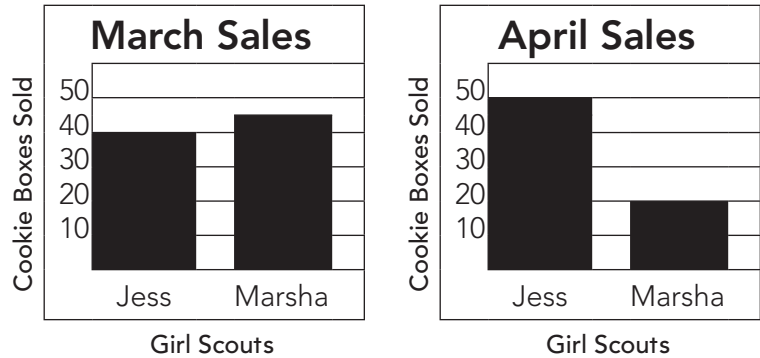
16. How many more cookies did Jess sell than Marsha in April?

Answer: _____ 30 more cookies _____

17. How many cookies did Jess and Marsha sell in March?

Answer: _____ 85 cookies _____

Use the graph below to answer questions 18–20.

Number of Books Purchased	
January	📕📕📕📕📕
February	📕📕📕📕
March	📕📕📕📕📕📕📕
April	📕📕📕📕
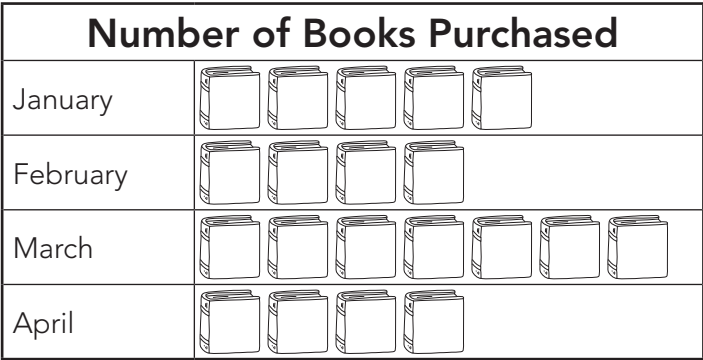
Each 📕 = 12 books

18. How many books were purchased in April?

Answer: _____ **48 books** _____

19. How many more books were purchased in January and February than in March?

Answer: _____ **24 books** _____

20. How many books were purchased in all four months?

Answer: _____ **240 books** _____

Use the tables below to analyze the information and answer the questions.

Favorite Color

blue	red	pink	green
blue	pink	red	blue
green	blue	green	red
red	green	green	blue
blue	pink	green	green

Favorite Color

Color	Tally	Number
blue	卌 |	6
red	||||	4
green	卌 ||	7
pink	|||	3

How many people answered the survey?

20 people

Which color is the most popular?

green

Which color is least popular?

pink

Which two colors got a combined vote of 7?

red and pink

Use the tables below to analyze the information and answer the questions.

Favorite Subject			
math	reading	science	writing
math	math	writing	science
writing	math	writing	math

Favorite Subject		
Subject	Tally	Number
math	ⵉⵉⵉⵉ	5
writing	||||	4
reading	|	1
science	||	2

Which subject is the least popular?

reading

What is the most popular subject?

math

How many people are represented in this survey?

12 people

How many more people like math than science?

3 people

Examine the table below, create a dot plot, and answer the questions.

Number of Petals on Flowers

flower	number of petals	flower	number of petals	flower	number of petals
#1	5	#4	6	#7	6
#2	6	#5	4	#8	5
#3	7	#6	5	#9	6

Number of Petals on Flowers
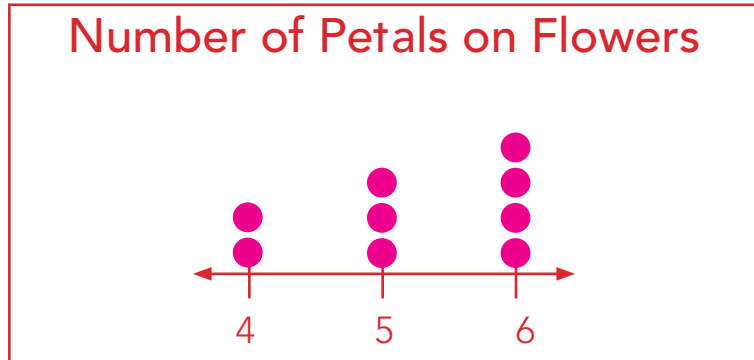
How many flowers were examined?

9

What number of petals was most common?

6

Which petal number was least common?

4 and 7

Which two petal numbers had the highest count?

5 and 6

Examine the table below, create a dot plot, and answer the questions.

Number of Cube Tosses					
toss	number rolled	toss	number rolled	toss	number rolled
#1	3	#6	4	#11	3
#2	3	#7	3	#12	4
#3	5	#8	2	#13	2
#4	5	#8	6	#14	2
#5	3	#10	5	#15	5

Number of Cube Tosses
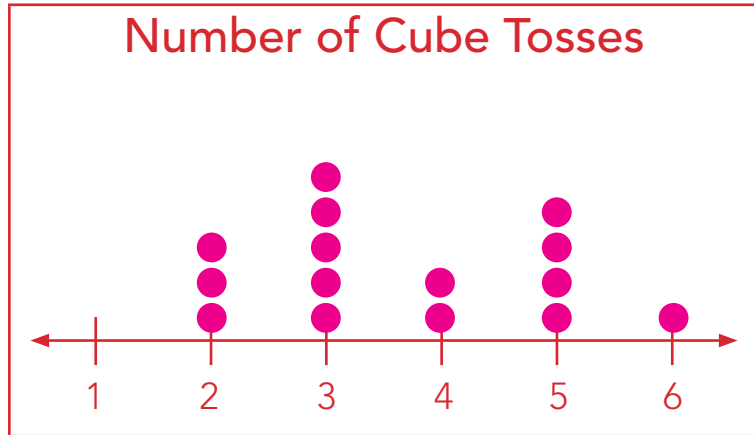
What number was rolled the least?

6

What number was rolled the most?

3

How many times was the cube tossed?

15

Which two numbers were rolled the same number of times?

none

Examine the pictograph and answer the questions that follow.

Favorite Color	
blue	✏️✏️✏️✏️✏️
red	✏️✏️✏️
green	✏️✏️✏️✏️
yellow	✏️✏️✏️✏️✏️
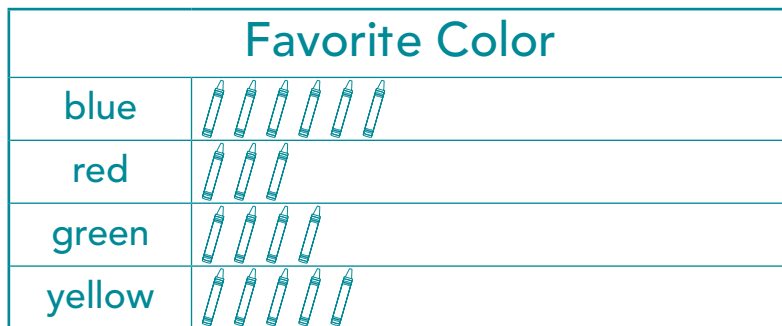
Each ✏️ = 2 votes

How many people were surveyed?

36 people

What crayon color was most popular?
How many people selected that color?

blue, 12 people

What crayon color was least popular?
How many people selected that color?

red, 6 people

Which two crayon colors got a total
of 22 votes combined?

blue   **yellow**

Examine the pictograph and answer the questions that follow.

Favorite Meal of the Day	
breakfast	🍴🍴🍴🍴🍴🍴/
lunch	🍴🍴🍴🍴🍴🍴🍴/
dinner	🍴🍴🍴
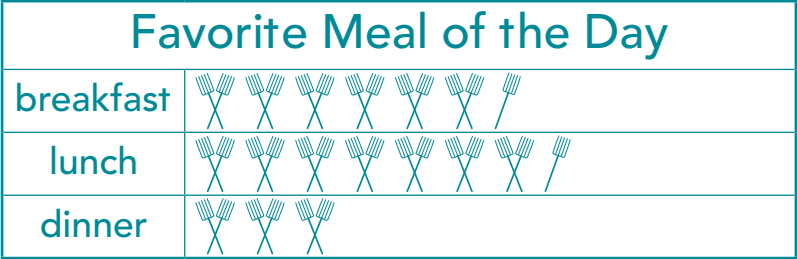
Each 🍴 = 2 votes   Each / = 1 vote

How many people were asked about their favorite meal?

34 people

Which meal was least popular? How many people chose that meal?

dinner, 3 people

Which meal was most popular? How many people chose that meal?

lunch, 15 people

Which two meals got a total of 21 votes combined?

lunch   dinner

Examine the bar graph and answer the questions that follow.

Items Ordered

Items Ordered	
Pasta	
Fish	
Salad	
Steak	

0 2 4 6 8 10 12 14 16 18

Number of Each Item Ordered

Which food was the most popular?
How many people selected that food?

steak, 18 people

How many more people selected
steak than fish?

7 people

Which food was the least popular?
How many people selected that food?

salad, 9 people

How many people were asked about
the item they chose?

52 people

How many more people selected
pasta than salad?

5 people

Examine the bar graph and answer the questions that follow.

Items Ordered

Items Ordered	Number of Each Item Ordered
Pasta	(bar to ~13)
Fish	(bar to ~10.5)
Salad	(bar to ~8.5)
Steak	(bar to ~17.5)

Number of Each Item Ordered: 0 2 4 6 8 10 12 14 16 18

Which food was the most popular? How many people selected that food?

steak, 18 people

How many more people selected steak than fish?

7 people

Which food was the least popular? How many people selected that food?

salad, 9 people

How many people were asked about the item they chose?

52 people

How many more people selected pasta than salad?

5 people

Bar Graph Food Cards

Review Graphs & Data

Read each task card and record your answers below.

1. How many more students have dogs than fish as pets?

   6 students

2. How many more students have cats and dogs than birds and fish?

   13 students

3. Complete the dot plot below.

80 85 90 95 100
Test Scores
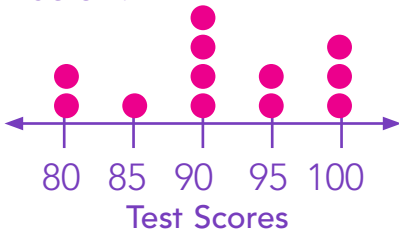
4. How many students scored between 90 and 100?

   9 students

5. Examine the frequency table and complete the tally table below.

Student Elective Data			
athletics	band	choir	debate
IIIII IIIII III	IIIII IIIII II	IIIII	II

6. How many students chose athletics and band over choir?

   20 students

7. How much more money did Daniel make than Gavin?

   $15

8. How much money did the four boys make altogether?

   $120

Marty works for 20 hours every week at the local bookstore. If she makes $9 an hour, how much will Marty make in three weeks?

    A. $180

    B. $270

    C. $360

    D. $540

To become an animal scientist, which type of experience would not be beneficial?

    A. experience working at a zoo

    B. working at an animal hospital

    C. experience working at an animal toy store

    D. interning at a vet's office

Josiah cleans office buildings. He makes $89 for each office space cleaned. If he cleans 3 offices each day, how much would Josiah make in one day?

Answer: _____ $267 _____

Use the table to answer the questions below.

Jason's Chore List	
Clean the kitchen	$15
Mow the lawn	$25
Rake the leaves	$30
Clean the bathroom	$10

How much money would Jason make if he cleaned the kitchen and cleaned the bathroom?

Answer: _____ $25 _____

How much more money would Jason make from mowing the lawn and raking leaves than cleaning the kitchen?

Answer: _____ $30 _____

Tony's Tire Shop sells Advanced Four Wheel Tires. The tires are no longer made in a nearby factory and aren't as easy to get. What should Tony's Tire shop do to the price of the Advanced Four Wheel Tires?

A. Leave the price the same.
B. Increase the price.
C. Decrease the price.

Kristin runs a local bakery that sells breads and pastries. One morning during the breakfast rush, none of the blueberry muffins sold. What should Kristin do to the price of the muffins for the afternoon rush?

A. Leave the price the same.
B. Increase the price.
C. Decrease the price.

Henry's Hat Store has a large supply of bowler hats. The hats are not selling well, and Henry needs to do something to try to get rid of the extra supply while earning some money. What should Henry do?

A. Give the hats away.
B. Decrease the price of the hats.
C. Buy more hats to increase the supply.

Couture Clothing Boutique sold some special edition perfume. The perfume sold quickly, and the next shipment only had 50 bottles. What should the boutique to do the price of the perfume?

A. Leave the price the same.
B. Increase the price.
C. Decrease the price.

© Reagan Tunstall

Rob's Book Store is going out of business. The company hopes to make money on the books still remaining in the store. What should they do with all the leftover books?

A. Increase the price of books so more people will come in and buy them.

B. Give the books away to a charity.

C. Put all the books on sale, hoping to make some money.

Ron bought a new phone on credit. He paid 7 payments of $45 to cover the cost of the phone. How much did Ron spend on his new phone?

Answer: _____$315_____

Tina needs to buy a new ceiling fan for her house. The fan costs $312. If Tina chooses to buy the fan on credit, she will pay $60 a month for 6 months. How much more money will Tina spend on the fan if she buys on credit than if she pays upfront?

Answer: _____$48_____

Cassidy can buy a phone if she uses credit. The phone is $600, but Cassidy will pay 9 payments of $70 to cover the cost. How much money will Cassidy spend on the phone?

Answer: _____$630_____

Walter purchased a new mountain bike on credit. The bike was originally $500, but on credit, Walter paid 8 payments of $68. How much more money did Walter spend buying the bike on credit than buying it upfront with cash?

Answer: _____ $44 _____

Josh wants to buy a new jacket from the store. The jacket is $116. Josh does not have enough money to pay upfront and uses credit. He pays $40 a month for 3 months. How much does Josh spend on the jacket?

Answer: _____$120_____

Richard goes to the store hoping to buy a new tablet. The tablet costs $454 and Richard doesn't have enough to pay for it. If Richard buys the tablet on credit, he will pay $60 a month for 8 months. How much interest will Richard pay on the tablet?

Answer: _____$26_____

Megan went shopping for a new fish tank. The tank originally cost $300, but Megan bought the tank on credit, paying $45 a month for 7 months. How much interest did Megan pay on the fish tank?

Answer: _____ **$15** _____

Nicholas needs new eyeglasses. The glasses cost $147, but Nicholas decides to buy them on credit and pay 3 monthly payments of $52. How much money will Nicholas spend covering the interest cost of the eyeglasses?

Answer: _____ $9 _____

Heather needs to buy two new pieces of luggage for her trip. The first piece she buys is $375 or 6 payments of $67 on credit. The second piece she buys is $299 or 8 payments of $39 on credit. How much interest will Heather spend on both bags if they are both bought on credit?

Answer: _____**$40**_____

Trevor wants to buy a new television. The television he wants is on sale. Normally the price of the television is $450, but it is marked down to $385. If Trevor decides to buy the television on credit, he will have 4 payments of $99. How much interest will Trevor pay on the television?

Answer: _____**$11**_____

Dominic went to the mall to get a new pair of shoes. As he walked around, he saw that his favorite clothing store was having a huge sale. Dominic went in and purchased two new shirts, a sweater, and a pair of pants. Was Dominic's spending in the clothing store planned or unplanned? Explain.

Answer: Sample answer: No. It was unplanned because Dominic went to the mall to buy shoes.

Jennifer goes to the grocery store every Sunday to buy food for all of her meals. She sticks to her list each week and does not buy unneeded items. Is Jennifer's trip to the grocery store planned or unplanned spending? Explain.

Answer: _____

Sample answer: Her trip is planned because she has a list and sticks to buying what is on her list.

Martha went to the pet store to buy a bag of food for her pet. While she was there, she decided to pick up new toys and a new bed for her pet. Were these expenses planned or unplanned? Explain.

Answer: Sample answer: They were unplanned. Martha went to the store just to buy food.
_____

Raquel wanted to buy a new bike for her upcoming biking trip. She saved her money for several months and shopped around at several places for the best deal on the bike. Is this an example of planned or unplanned spending? Explain.

Answer: _____

Sample answer: This was planned spending because Raquel spent her time researching and saving for her purchase.

Joey went to the eye doctor for a routine checkup. The doctor told Joey that he had an eye infection and would need medicine. Joey was not prepared for this news. Will the medicine for the infection be planned or unplanned spending? Explain.

Answer: **Sample answer: This was unplanned. Joey did not know he had an infection and would need medicine.** _____

Garrett wants to save for a new video game. If the game costs $90 and Garrett saves $10 a week, how many weeks will it take him to save for the video game? Draw a table below to find the answer.

Answer: _____ **9 weeks** _____

Patty wants to start saving $80 a month to put toward a new bedroom set. How much money will Patty save in 6 months? Draw a table to solve.

Answer: _____$480_____

Derek wants to go on a trip with his family. Each family member is contributing to the cost of the trip. Derek needs to save $1,000. If he saves $50 a week, how many weeks will it take him to save up for the trip? Draw a table to solve.

Answer: _____20 weeks_____

Brielle wants to start saving for a new car.
If Brielle saves $75 a month, how much money
will she save in 9 months? Draw a table to solve.

Answer: _____ $675 _____

Becca received $200 for her birthday. If she wants to put half of that in savings and then donate half of the remaining money to charity, how much money will Becca have left over?

Answer: _____$0_____

Marci earned $45 babysitting. She needs to buy a new case for her glasses which will cost her $18. How much money will Marci have left over to spend?

Answer: _____$27_____

Scott sold his paintings for $160. He has to pay his parents $28 for the paints and he wants to donate $30 to charity. Will Scott have enough money left to put $100 in his savings account?

Answer: _____Yes_____

Thomas mowed 5 lawns at $25 each. Does Thomas have enough money to spend $45 on a video game and put $70 in savings? Explain why or why not.

Answer: **Sample answer: Yes. Thomas will have made $125 mowing lawns. The cost of the game plus putting money in savings is less than $125.**

Richard needs new contacts. The contacts cost $150, but Richard decides to buy them on credit with 5 payments of $35. How much money will Richard spend covering the interest cost of the contacts?

Answer: _____**$175**_____

Emily wants to purchase a season pass for the water park. The cost of a season pass is $85. If Emily saves $15 a week, how many weeks will she need to save to be able to buy a season pass to the water park?

Answer: _____**6 weeks**_____

Whitney earned $100 pet-sitting for her neighbor. She needs to buy a new backpack for school which costs $38 and a pair of $55 tennis shoes. How much money will Whitney have left over after she makes her needed purchases?

Answer: _____ **$7** _____

Tammy works at the local grocery store as a cashier. If she earns $8 an hour, how much money will Tammy earn after working 40 hours?

Answer: _____ $320 _____

Danny needs a new heavy jacket for his ski trip. The jacket costs $299 or it can be purchased on credit for 6 payments of $52. If Danny decides to pay with credit, how much more will Danny spend buying the jacket on credit than buying it upfront with cash?

Answer: _____**$13**_____

Quinton needs to buy some new clothes for school as well as school supplies. He also really wants to purchase new headphones and a skateboard. Which purchases should Quinton make first? Explain.

Sample answer: Quinton should purchase clothes and school supplies first since these are things he needs.

Edith runs a local flower shop. On Valentine's Day, red roses are in high demand. The store almost always sells out. What can Edith do to the price of roses for Valentine's Day?

A. Leave the price the same.

B. Increase the price.

C. Decrease the price.

Brandon heads to the store to purchase a new phone he has been saving for. On his way to check out, Brandon spots a new video game on sale and decides to buy it with the phone. Was the purchase of the video game planned or unplanned? Explain.

Sample answer: No. He originally went to the store just to buy a phone.

What does it mean to buy something on credit?

A. buying later, but not ever having to pay

B. paying up front

C. buying now, paying later

D. buying at a later time

Which is an example of scarcity?

A. walking into a clothing store and finding the shirt you want in every size

B. the grocery store not having enough cans of pumpkin around Thanksgiving

C. giving away roses on Valentine's Day

D. buying a toy at Christmas time and paying for it later

Amanda wanted to buy a new pair of sunglasses. The glasses cost $125. Amanda wants to buy the sunglasses on credit, which will be 4 payments of $33. How much money will Amanda pay in interest?

A. $132
B. $7
C. $13
D. $125

Randi made $40 for walking dogs on Monday. If he continues to walk the dogs Tuesday through Friday, how much money will he earn all week?

   A. $180
   B. $220
   C. $160
   D. $200

Betsy has a bakery that sells fresh cinnamon rolls each morning. If the cinnamon rolls do not sell well at breakfast, what should Betsy do to the price of the cinnamon rolls at lunch?

A. increase the price

B. leave the price the same

C. decrease the price

Personal Finance Review Cards, Set 1

Austin wants to save up and buy a new watch that costs $135. If he saves $15 a week, how many weeks will Austin need to save to buy the watch? *(Hint: Draw a table to help solve.)*
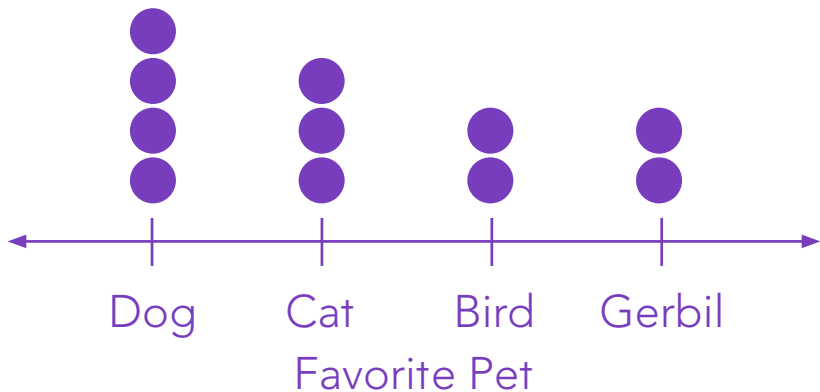
    A. 6 weeks
    B. 7 weeks
    C. 9 weeks
    D. 15 weeks

Examine the dot plot below.

Favorite Pet

Dog · Cat · Bird · Gerbil

How many people voted for their favorite pet?
11 people

Rebecca wanted to buy a new pair of roller skates at the store. The skates cost $89. If Rebecca pays 5 payments of $20, how much interest will she pay on the skates?

$100

Joe wants to save his money to buy a new phone. If he saves $40 a week and the phone costs $320, for how many weeks will Joe need to save his money?

8 weeks

Examine the frequency table. Create a dot plot based on the information provided in the frequency table.

| Favorite Colors					
red	red	green	blue	yellow	blue
red	green	blue	green	red	yellow
yellow	green	yellow	blue	green	yellow
red	blue	blue	red	red	green

red　　yellow　　green　　blue
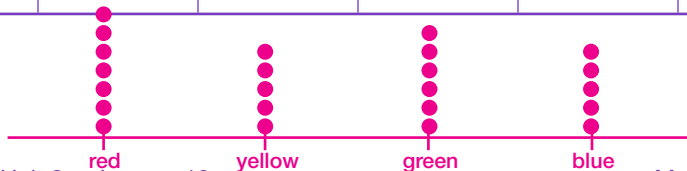
Walker saved his money over 6 months to buy a new gaming system. Is this an example of planned or unplanned spending? Explain how you know.

Sample answer: This is an example of planned spending. Walker knows he has to save for 6 months to buy the gaming system.

What are some ways that people can earn an income? List at least three ways.

Teaching piano lessons, work at a grocery store, mow lawns

Examine the bar graph below.

Amount Earned

Money Earned

$36
$30
$24
$18
$12
$6
$0

Daniel Raquel Becca Eli
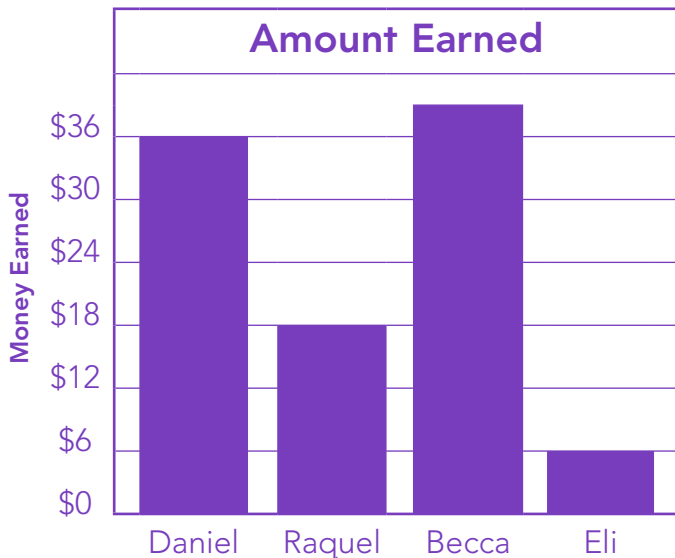
How much money did Becca and Raquel earn altogether?

$57

Tiffany wants to buy a new purse. The cost of the purse is $399. If she buys the purse on credit and makes 9 payments of $47, how much more will Tiffany pay for the purse on credit than if she pays up front?

$24

Edith made $95 babysitting. If she spends $40 on a new jacket and $35 on a new bracelet, how much money will she have left over?
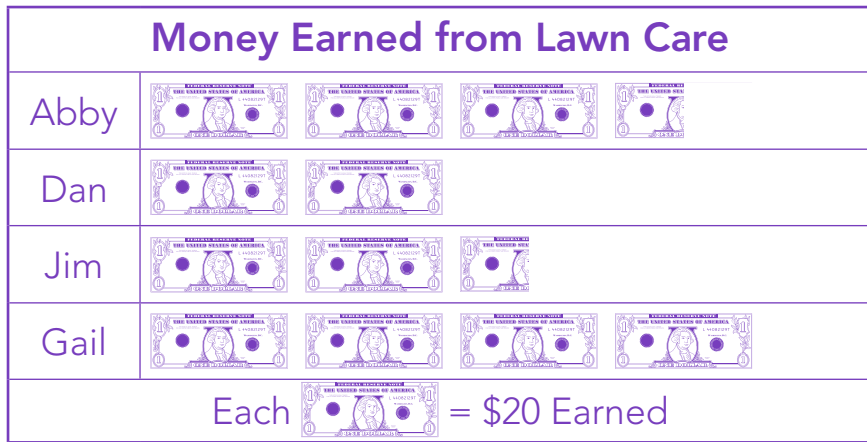
$20

Monika walks her neighbor's dogs twice a day and earns $10 each time. How much will Monika have earned at the end of 7 days?

$140

Wylee wanted to go shopping for a new pair of hiking boots. The boots will cost him $145. If he makes $40 a lawn for raking leaves, how many lawns will Wylee have to rake in order to buy the new hiking boots?

4 lawns

Examine the pictograph below.

Money Earned from Lawn Care			
Abby	$1	$1	$1	$1
Dan	$1	$1		
Jim	$1	$1	$1	
Gail	$1	$1	$1	$1
Each $1 = $20 Earned			

How much more money did Gail and Jim make than Abby and Dan?

$20