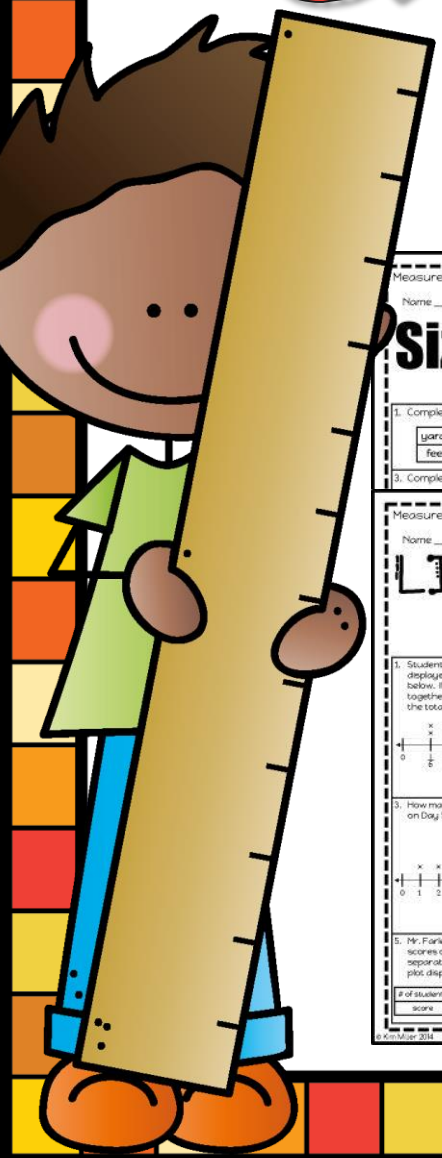
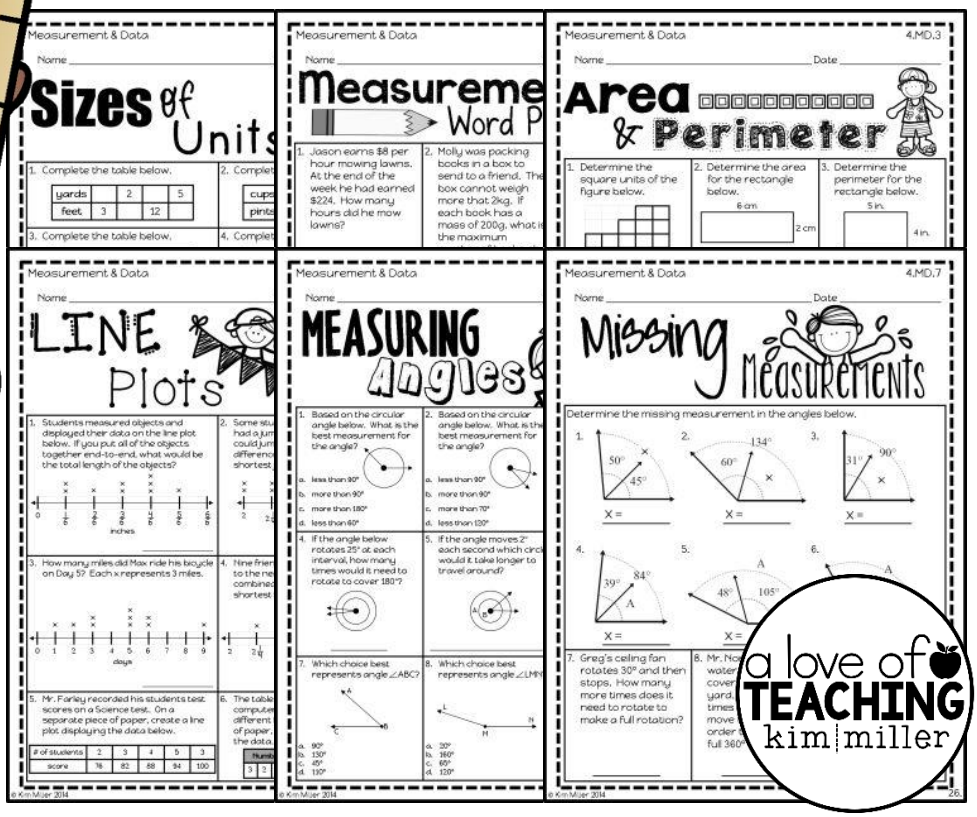
4.MD.1 - 4.MD.7

MEASUREMENT & DATA

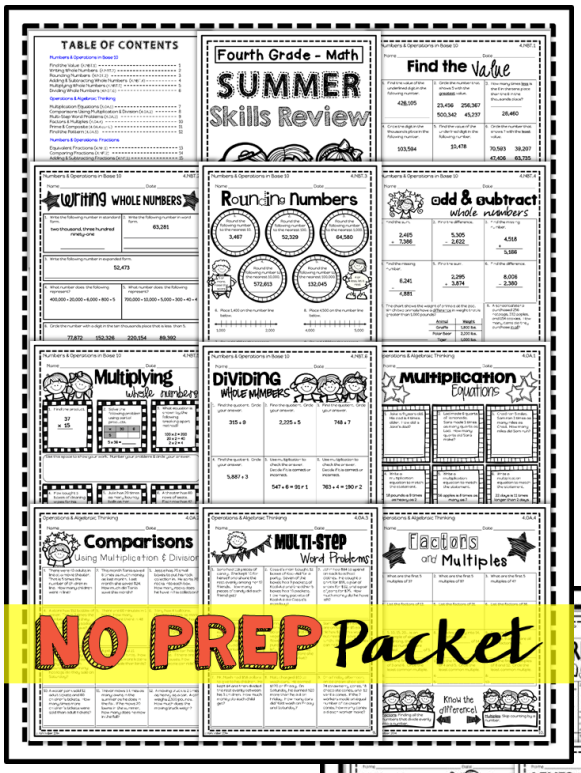
SAMPLE FREEBIE!

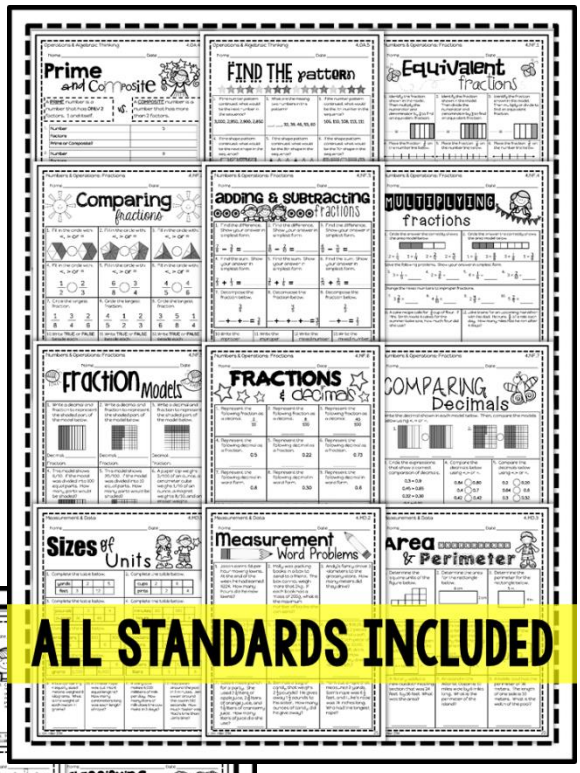




4TH GRADE MATH

This product is part of a larger bundle of Summer Review Skills.





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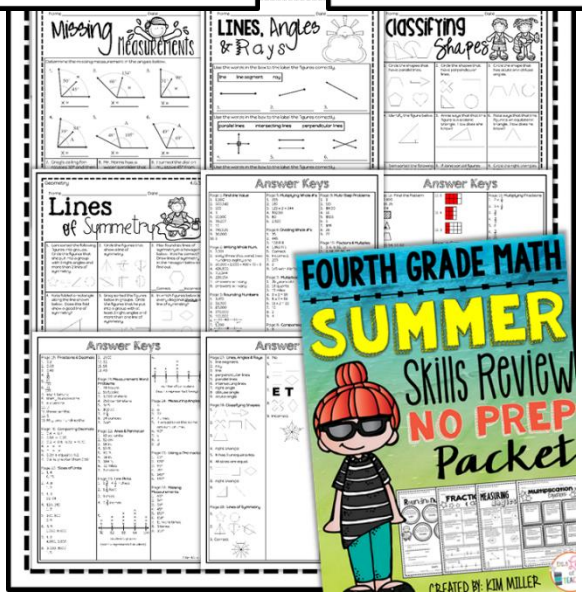

a love of TEACHING kim miller

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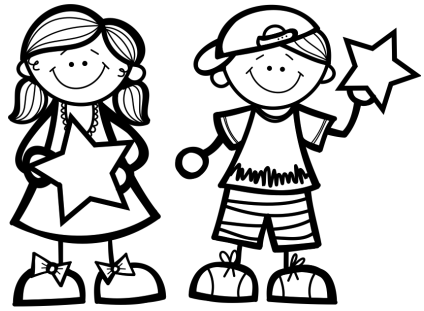
Name _____ Date _____

Sizes of Units



1. Complete the table below.

yards		2		5
feet	3		12	

2. Complete the table below.

cups	2		6	
pints		2		4

3. Complete the table below.

pounds		2		4
ounces	16		48	

4. Complete the table below.

minutes	60		180	
hours		2		4

5. Complete the table below.

centimeters		300		900
meters	1		6	

6. Complete the table below.

kilometers	1		6	
meters		3,000		9,000

7. Compete the table below.

kilograms		4		9
grams	1,000		6,000	

8.

milliliters	1,000		5,000	
liters		3		8

9. A box containing 4 equally sized melons weighed 8 kilograms. What is the weight of each melon in grams?

_____

10. A 3 meter rope was cut into 6 equal lengths? How many centimeters long was each length of rope?

_____

11. A dairy cow makes 6,000 milliliters of milk per day. How many liters of milk does the cow make in 3 days?

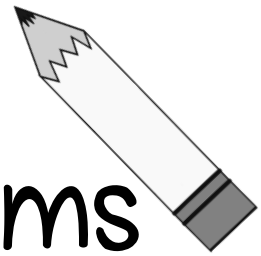
_____

12. Maci swam around the pool in 2 minutes. Jen swam around the pool in 160 seconds. How much faster was Maci's time than Jen's time?

_____

Name _____ Date _____

Measurement Word Problems

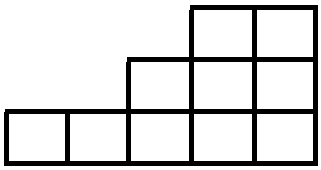


1. Jason earns $8 per hour mowing lawns. At the end of the week he had earned $224. How many hours did he mow lawns? _____	2. Molly was packing books in a box to send to a friend. The box cannot weigh more that 2kg. If each book has a mass of 200g, what is the maximum number of books she can send? _____	3. Andy's family drove 3 kilometers to the grocery store. How many meters did they drive? _____
4. Sara cut a $2\frac{1}{2}$ meter rope to hang a swing for her sister. How many centimeters is the rope? _____	5. Jeni put a cake in the oven at 2:30. If the cake takes $1\frac{1}{4}$ hours to bake, at what time should it be taken out of the oven? _____	6. Jessie has $18.25. He purchases 2 pieces of pizza and a soft drink? Each piece of pizza costs $3.00, and the soft drink cost $1.75. How much money does he have left? _____
7. Cassie made punch for a party. She used $2\frac{1}{4}$ liters of apple juice, $2\frac{3}{4}$ liters of orange juice, and $1\frac{1}{4}$ liters of cranberry juice. How many liters of juice did she use? _____	8. Ben has a bag of candy that weighs $2\frac{1}{2}$ pounds? He gives away $1\frac{1}{2}$ pounds to his sister. How many ounces of candy did he give away? _____	9. Mark cut a rope that measured 2 yards, Sam's rope was $6\frac{1}{2}$ feet, and Luke's rope was 74 inches long. Who had the longest rope? _____

Name _____ Date _____

Area & Perimeter

1. Determine the square units of the figure below.

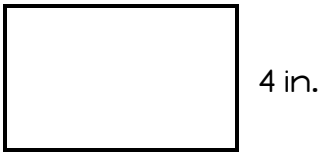


_____

2. Determine the *area* for the rectangle below.

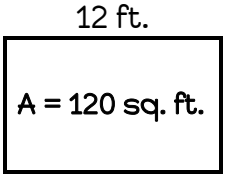
_____

3. Determine the perimeter for the rectangle below.

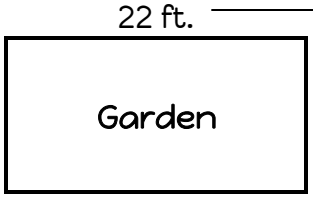


_____

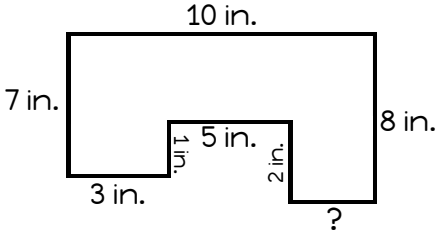
4. Mr. Michael has a dog pen with an area of 120 sq. feet. The length of his dog pen is 12 feet. What is its width? _____



5. Lani's mom wants to put a fence around her garden. How many feet of fencing will she need? _____



6. What is the perimeter of the figure below?



_____

7. A library added a new outdoor reading section that was 24 feet by 16 feet What was the area?

_____

8. An island in the Atlantic Ocean is 10 miles wide by 6 miles long. What is the perimeter of the island?

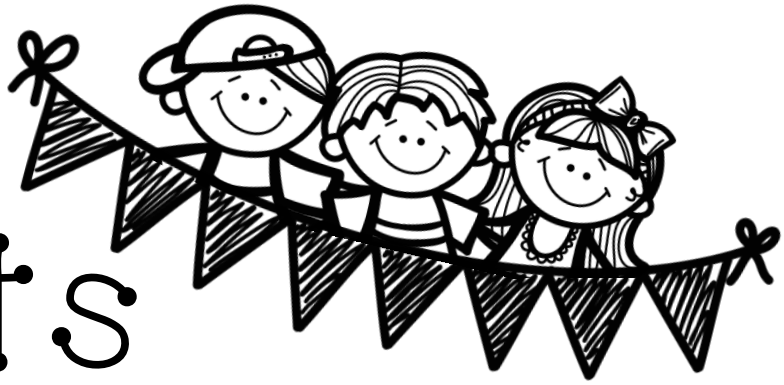
_____

9. A kiddie pool has the perimeter of 36 meters. The length of one side is 10 meters. What is the width of the pool?

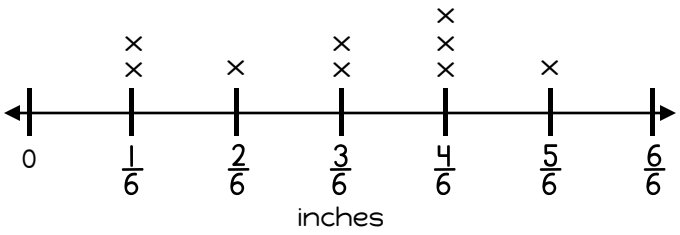
_____

Name _____ Date _____

LINE Plots

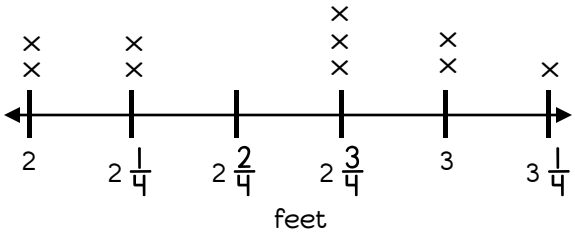


1. Students measured objects and displayed their data on the line plot below. If you put all of the objects together end-to-end, what would be the total length of the objects?



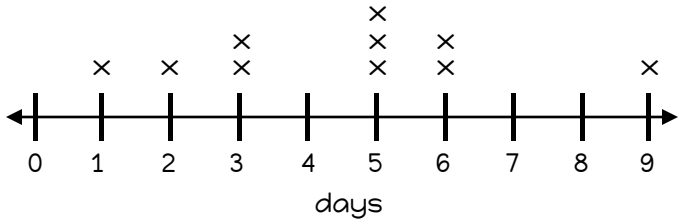
_____

2. Some students in Mrs. Ashley's class had a jumping contest to see who could jump the furthest. What is the difference between the longest and shortest jump.



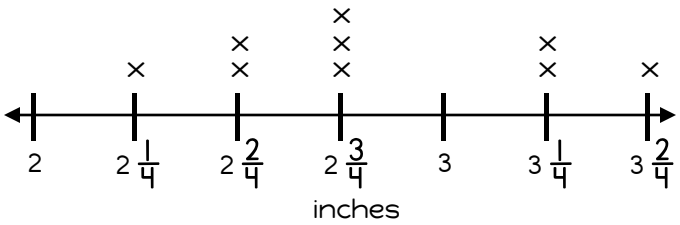
_____

3. How many miles did Max ride his bicycle on Day 5? Each x represents 3 miles.



_____

4. Nine friends measured their pinky size to the nearest $\frac{1}{4}$ inch. What is the combined length of the longest and shortest finger?



_____

5. Mr. Farley recorded his students test scores on a Science test. On a separate piece of paper, create a line plot displaying the data below.

# of students	2	3	4	5	3
score	76	82	88	94	100

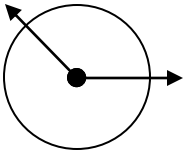
6. The table below shows the number of computers or laptops owned by ten different families. On a separate piece of paper, create a line plot displaying the data.

Number of Computers or Laptops									
3	2	4	1	5	3	1	2	3	3

Name _____ Date _____

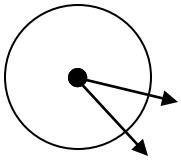
MEASURING Angles

1. Based on the circular angle below. What is the best measurement for the angle?



a. less than 90°
b. more than 90°
c. more than 180°
d. less than 60°

2. Based on the circular angle below. What is the best measurement for the angle?



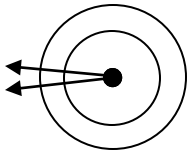
a. less than 90°
b. more than 90°
c. more than 70°
d. less than 120°

3. Calculate the value of Molly's name if an acute angle is worth 5 points, a right angle is worth 7 points, and an obtuse angle is worth 9 points.

MOLLY

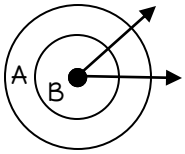
_____

4. If the angle below rotates 25° at each interval, how many times would it need to rotate to cover 180°?



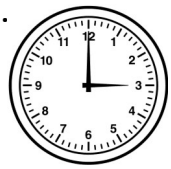
_____

5. If the angle moves 2° each second which circle would it take longer to travel around?



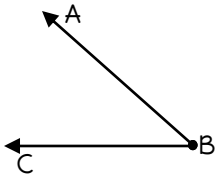
_____

6. The clock shows an angle made by the hour and minute hands. Describe the best measurement for the angle.



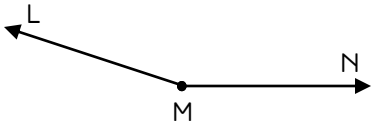
_____

7. Which choice best represents angle ∠ABC?



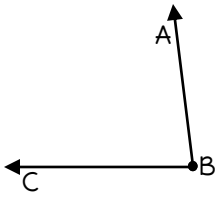
a. 90°
b. 130°
c. 45°
d. 110°

8. Which choice best represents angle ∠LMN?



a. 20°
b. 160°
c. 65°
d. 120°

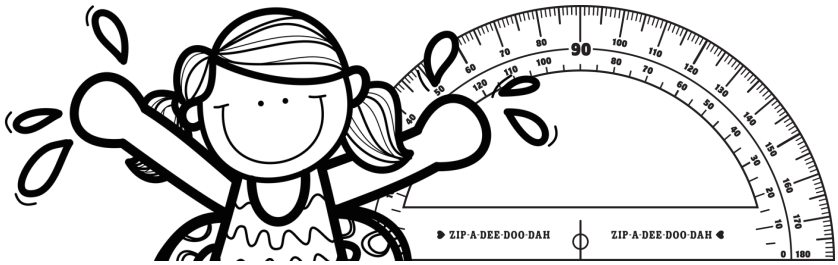
9. Which choice best represents angle ∠LMN?



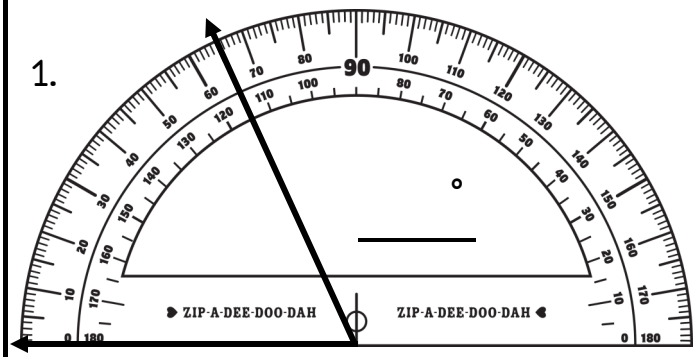
a. 45°
b. 105°
c. 90°
d. 85°

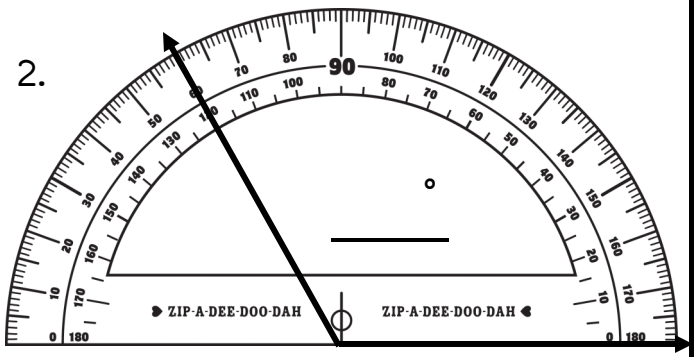
Name _____ Date _____

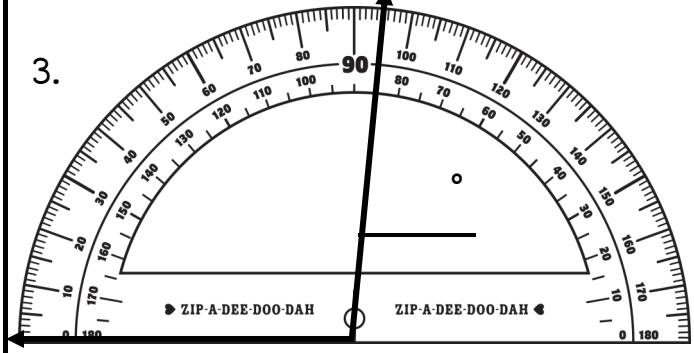
USING A Protractor

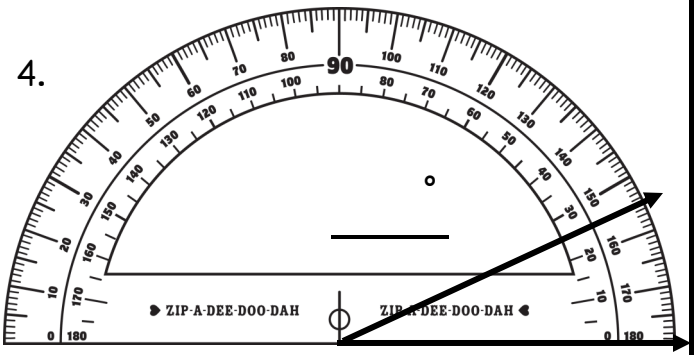


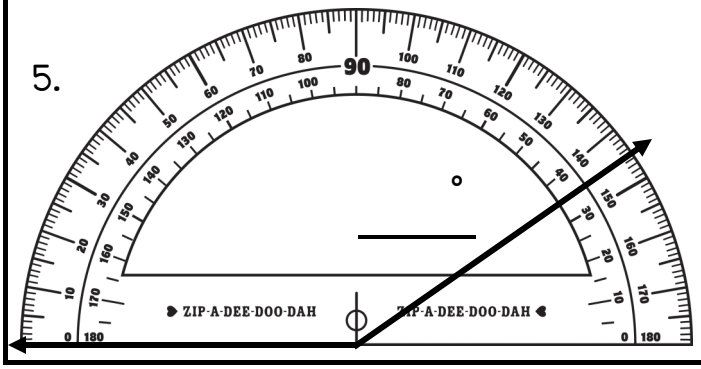
Use the protractors to measure the angles.

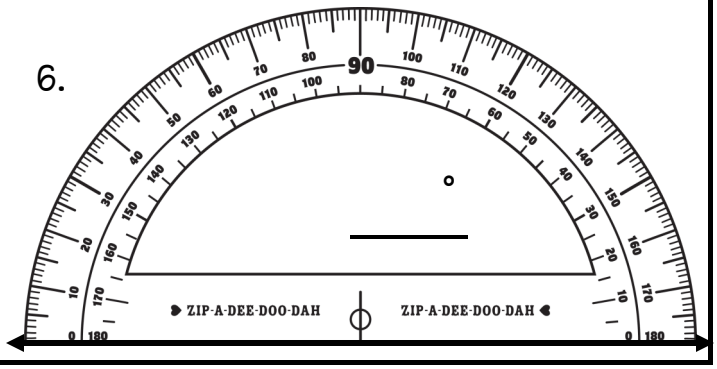
1. 

2. 

3. 

4. 

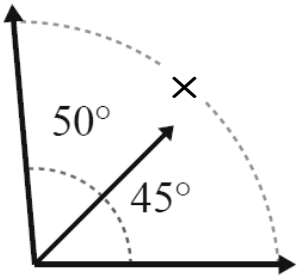
5. 

6. 

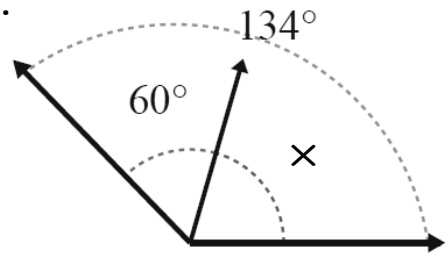
Name _____ Date _____

Missing Measurements

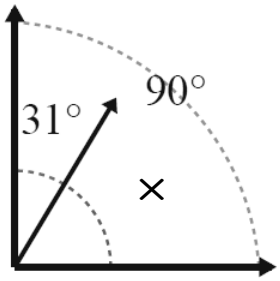
Determine the missing measurement in the angles below.

1. 

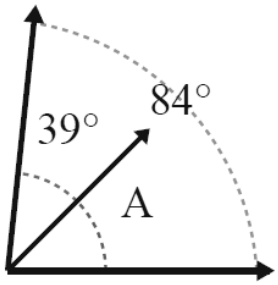
X = _____

2. 

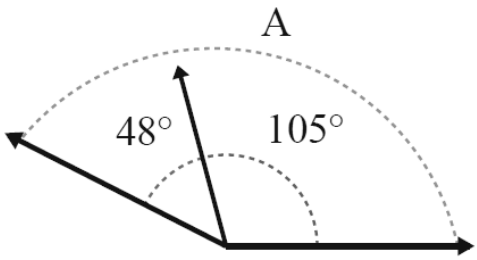
X = _____

3. 

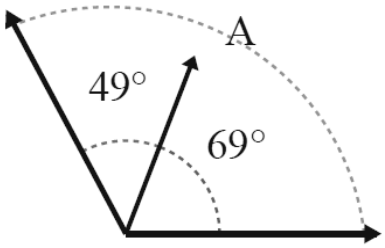
X = _____

4. 

X = _____

5. 

X = _____

6. 

X = _____

7. Greg's ceiling fan rotates 30° and then stops. How many more times does it need to rotate to make a full rotation?

_____

8. Mr. Norris has a water sprinkler that covers 120° of his yard. How many times will he need to move the sprinkler in order to cover the full 360° of his yard?

_____

9. I turned the dial on my stove 45° from the start position. If I continue to turn the dial, how many degrees further will I need to rotate it to return to the start position?

_____

Answer Keys

Page 20: Sizes of Units

1. 1, 4
   6, 15
2. 4, 8
   1, 3
3. 1, 3
   32, 64
4. 120, 240
   1, 3
5. 100, 600
   3, 9
6. 3, 9
   1,000, 6,000
7. 1, 6
   4,000, 9,000
8. 3,000, 8000
   1, 5
9. 2000
10. 50
11. 18
12. 40

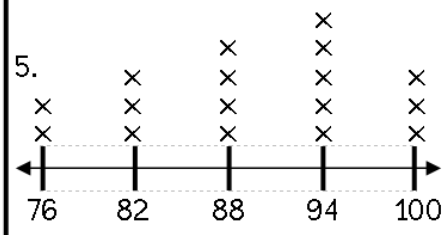
Page 21: Measurement Word Problems

1. 28 hours
2. 10 books
3. 3,000 meters
4. 250 centimeters
5. 3:45
6. $10.50
7. $6\frac{1}{4}$
8. 24 ounces
9. Sam

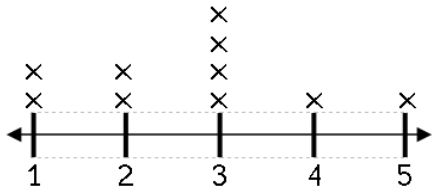
Page 22: Area & Perimeter

1. 10 sq. units
2. 12 cm
3. 18 in.
4. 10 ft.
5. 80 ft.
6. 38 in.
7. 384 ft.
8. 32 miles
9. 8 meters

Page 23: Line Plots

1. $1\frac{3}{6} = 4\frac{1}{2}$ inches
2. $1\frac{1}{4}$ feet
3. 9 miles
4. $5\frac{3}{4}$ inches
5. 

student's grades
(each × represents 1 student)

6. 

number of computers
(each × represents 1 family)

Page 24: Measuring Angles

1. b
2. a
3. 52
4. 7 times
5. It would take the same amount of time.
6. 90°
7. c
8. b
9. d

Page 25: Using a Protractor

1. 65°
2. 120°
3. 95°
4. 25°
5. 145°
6. 180°

Page 26: Missing Measurements

1. 95°
2. 74°
3. 59°
4. 45°
5. 153°
6. 118°
7. 11 more times
8. 3 times
9. 315°