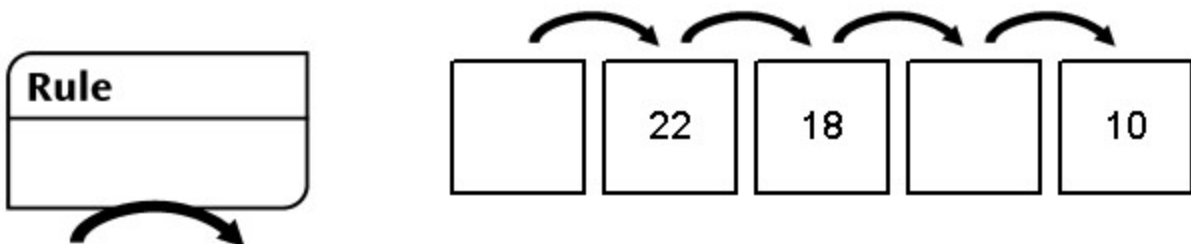**3rd to 4th Grade Summer Practice**

1. Count by 6s.

   29, _____, _____, 47; _____, _____,

   _____, _____, _____, _____, _____

2. Count back by 4s.

   108, _____, _____, _____, 92, _____,

   _____, _____, _____, _____, _____

3. Find the rule. Fill in the empty frames.

   

4. Use + or − to make each number sentence true.

   11 = 7 _____ 4

   7 = 16 _____ 9

   6 = 15 _____ 9

   5 _____ 9 = 14

**3rd to 4th Grade Summer Practice**

5. Draw the hands to show the times.

**a.**

**b.**

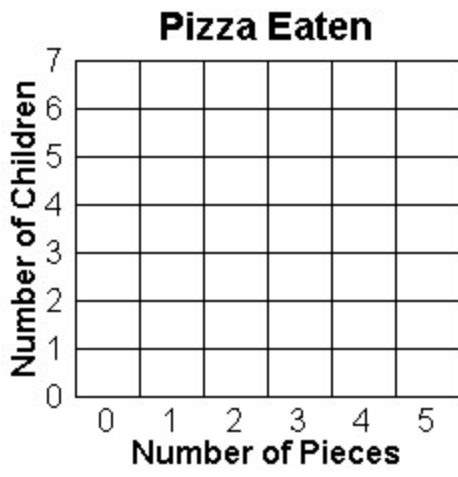12:20                                3:35

6. It is 9:55 A.M.
   Draw the hour and minute hands to show the time 15 minutes earlier.
   What time does the clock show?
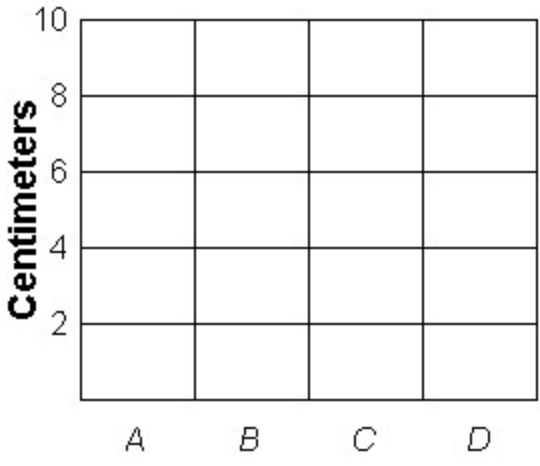
_____

**3rd to 4th Grade Summer Practice**

7. Use the tally chart to complete the bar graph.

| Number of Pieces | Number of Children |
|---|---|
| 0 | 卌 // |
| 1 | 卌 |
| 2 | // |
| 3 | 卌 / |
| 4 | /// |
| 5 | /// |

**Pizza Eaten**

8. Shade to show the following data.

*A* is 10 cm.
*B* is 5 cm.
*C* is 7 cm.
*D* is 4 cm.

**3rd to 4th Grade Summer Practice**

9. Fill in the blanks.

   **a.** 6 + _____ = 13            **d.** 12 = 4 + _____

   **b.** 60 + _____ = 130          **e.** 120 = 40 = _____

   **c.** 600 + _____ = 1,300       **f.** 1,200 = 400 + _____

10. Round to the nearest 10.

    527 _____

11. Round to the nearest 100.

    815 _____

12. Write a number model for your ballpark estimate.
    Use your favorite method to solve. Show your work.

    **a.** Ballpark estimate: _____

    **b.**   247
          + 564

    **c.** Ballpark estimate: _____

    **d.**   583
          − 284

**3rd to 4th Grade Summer Practice**

13. Complete the fact extensions.

$16 = 9 + 7$

_____ $= 19 + 7$

_____ $= 29 + 7$

_____ $= 109 + 7$

_____ $= 159 + 7$

14. "What's My Rule?"

in
↓

**Rule**

Subtract 3

↓
out
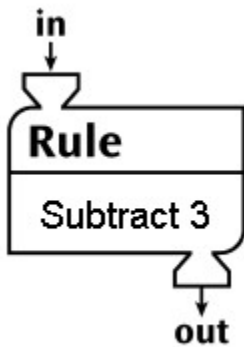
| in | out |
|----|-----|
| 57 |     |
| 66 |     |
| 76 |     |
|    | 82  |
|    |     |

**3rd to 4th Grade Summer Practice**

15. Fill in the rule. Write your own number pair in the last row of the table.

| in | | in | out |
|---|---|---|---|
| ↓ | | 60 | 100 |
| Rule | | 80 | 120 |
| | | 40 | 80 |
| ↓ | | 30 | 70 |
| out | | | |
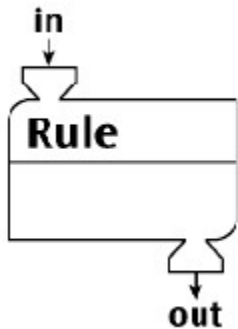
16. You read 9 minutes on Monday, 52 minutes on Tuesday, and 27 minutes on Wednesday.
About how many minutes did you read altogether?

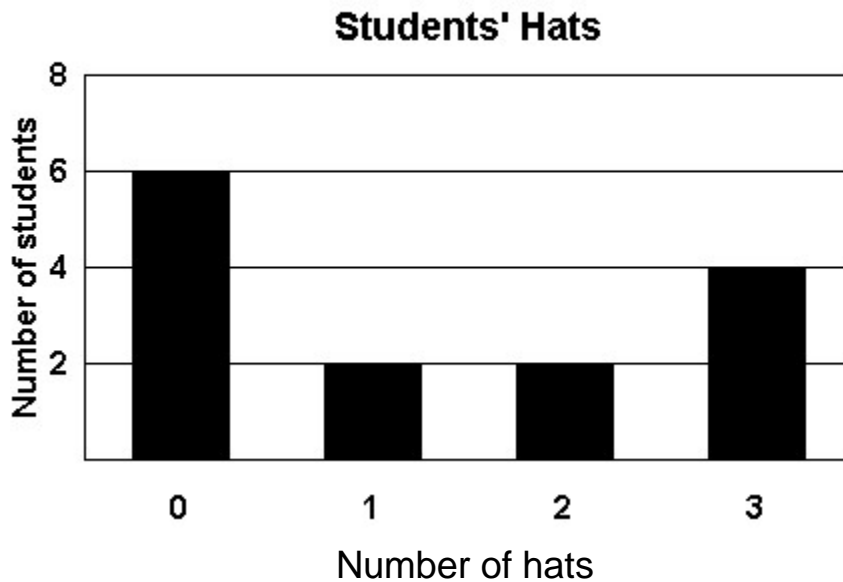30                      90                      180                      450

Solve the problem.

You read for _____ minutes altogether.

**3rd to 4th Grade Summer Practice**

17. Miss Evans asked each of her students how many hats he or she has. The data is recorded in the bar graph below.

**Students' Hats**



How many more students have hats than students who do not have hats?

_____ students

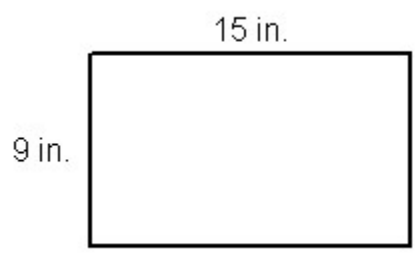18. Measure line segment to the nearest $\frac{1}{2}$ inch.

About _____ inches.

19. Measure the line segment to the nearest $\frac{1}{4}$ inch.
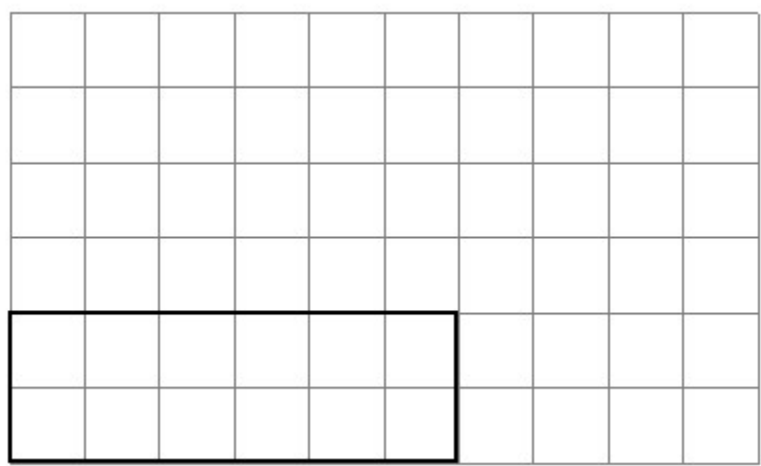
About _____ inches

**3rd to 4th Grade Summer Practice**

20. What is the perimeter of the rectangle?

15 in.
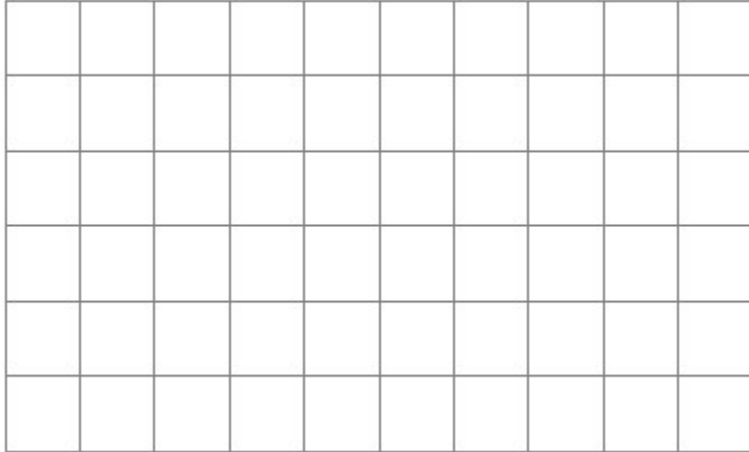
9 in.

Perimeter = _____

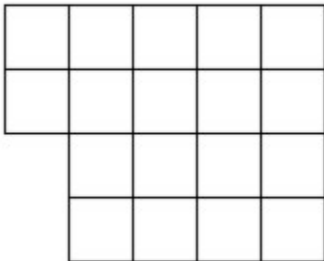(unit)

21. What is the area of the rectangle?

Area = _____ square cm

**3rd to 4th Grade Summer Practice**

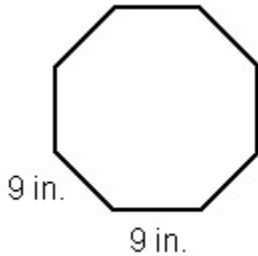22. Draw a shape with an area of 15 square centimeters.

23. Each square equals 1 square meter. Find the area.

Area = _____ square meters

**3rd to 4th Grade Summer Practice**

24. Find the perimeter of the regular octagon.



9 in.

9 in.

Perimeter = _____

(unit)

25. Draw an array of 8 Xs arranged in 4 rows.

How many Xs in each row? _____

Write a number model for the array. _____

26. 6 people share 24 grapes equally. How many grapes per person? Choose the best answer.

a. $24 \div 6$   b. $24 \times 6$   c. $6 \div 24$   d. $24 + 6$

**3rd to 4th Grade Summer Practice**

27. 12 chairs placed in 3 rows. How many chairs in each row?

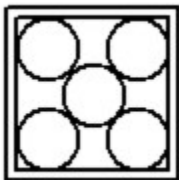| rows | chairs per row | chairs in all |
|---|---|---|
| 3 | ? | 12 |

Show an array for the chairs

Number Model: _____

Answer: _____

28. You have 15 water bottles to put into coolers. 5 water bottles fit into each cooler. How many coolers do you need?

| coolers | water bottles per cooler | water bottles in all |
|---|---|---|
| ? | 5 | 15 |

Number model: _____

Answer: _____
         (unit)

**3rd to 4th Grade Summer Practice**

29. **a.** Fill in the squares in this column of the Multiplication Facts Table.

| × | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 |   |   |   |   |   |   |   |   |   |   |
| 1 |   |   |   |   |   |   |   |   |   |   |
| 2 |   |   |   |   |   |   |   |   |   |   |
| 3 |   |   |   |   |   |   |   |   |   |   |
| 4 |   |   |   |   |   |   |   |   |   |   |
| 5 |   |   |   |   |   |   |   |   |   |   |
| 6 |   |   |   |   |   |   |   |   |   |   |
| 7 |   |   |   |   |   |   |   |   |   |   |
| 8 |   |   |   |   |   |   |   |   |   |   |
| 9 |   |   |   |   |   |   |   |   |   |   |

**b.** Are all the numbers you filled in even or odd? Explain why.

_____

_____

_____

_____

30. On the first day of spring, the lengths of the day and night are equal. If the sun rises at 6:25 A.M. on that day, at what time would you expect it to set?

_____ : _____ P.M.

**3rd to 4th Grade Summer Practice**

31. Angelique practices the piano from 4:50 P.M. to 5:35 P.M. every day after school and from 9:15 A.M. to 9:50 A.M. on weekends. How long does she practice the piano in one week?
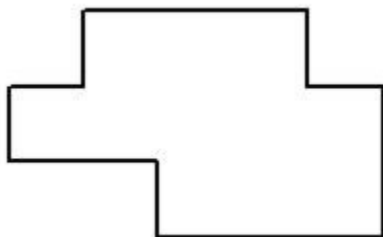
_____ hours _____ minutes

32. There are 7 days in one week. How many days are there in 3 weeks? Use the calendar to help you.

_____ days

### July

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
|     |     |     | 1   | 2   | 3   | 4   |
| 5   | 6   | 7   | 8   | 9   | 10  | 11  |
| 12  | 13  | 14  | 15  | 16  | 17  | 18  |
| 19  | 20  | 21  | 22  | 23  | 24  | 25  |
| 26  | 27  | 28  | 29  | 30  | 31  |     |

33. **a.** Measure and label the sides of the polygon in centimeters.

**b.** What is the perimeter of the polygon? _____ cm

**3rd to 4th Grade Summer Practice**

34. Solve. Show your work. Use a ballpark estimate to check whether your answer makes sense. Write a number model for your estimate.

   a.  Ballpark estimate:                b.        Ballpark estimate:

   _____              _____

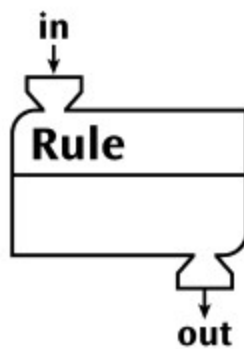$$\begin{array}{r} 64 \\ + 19 \\ \hline \end{array}$$         $$\begin{array}{r} 53 \\ - 17 \\ \hline \end{array}$$

35. There are 194 flowers in a garden. 57 flowers are *not* yellow. Estimate how many flowers are yellow.

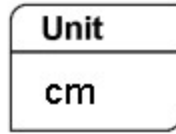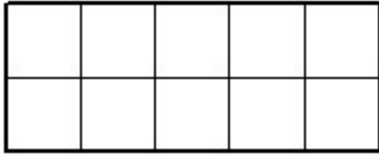   About _____

   Number model for the estimate:

   _____

36. Find the rule and complete the table.

| in | out |
|-----|-----|
| 115 | 135 |
| 119 |     |
|     | 162 |
|     | 187 |
|     |     |

**3rd to 4th Grade Summer Practice**

37. Find the perimeter and area of the rectangle.

| Unit |
| cm |

**a.** Perimeter = _____
(unit)

**b.** Area = _____
(unit)

38. Make a ballpark estimate. Write the number model.

403 − 248 = _____

Number model: _____

39. Circle the right triangles. Use the corner of a piece of paper to check.

40. I have four vertices.
I have exactly one pair of parallel sides.

What am I? _____

**3rd to 4th Grade Summer Practice**

41. Answer this riddle.

    *I have three sides and I contain a right angle.*

    What shape am I? _____
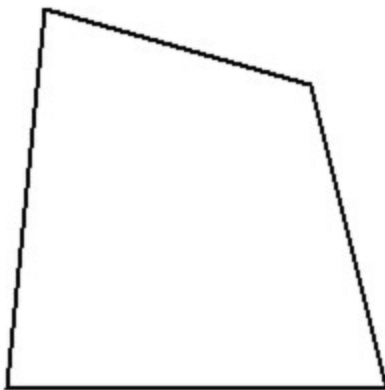
42. Answer this riddle.

    *I have four sides. I have two pairs of equal sides and four right angles.*

    What shape am I? _____

43. Draw a shape that is a parallelogram with at least one right angle.




    This shape is a _____.

44. There may be more than one correct name for the geometric figure. Identify all of the correct names.

    

    a. polygon
    b. polygon, quadrangle, parallelogram, rectangle
    c. polygon, quadrangle
    d. polygon, quadrangle, parallelogram

**3rd to 4th Grade Summer Practice**

45. **a.** Use a straightedge. Draw line segments to form a quadrangle.
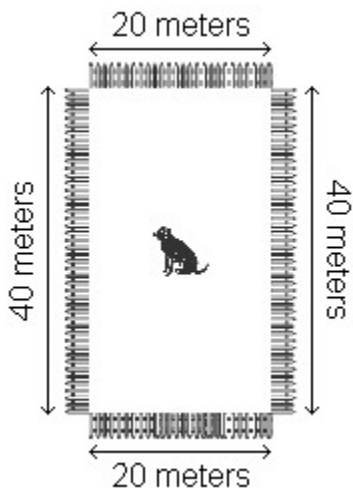
.L

A
.

.
S

.
T

**b.** Use the points above to write one letter name for the quadrangle.

_____

**c.** Which letter names the right angle? angle _____

46. How long is the fence around the dog?

_____ meters

20 meters

40 meters                    40 meters

20 meters

**3rd to 4th Grade Summer Practice**

47. Fill in the missing factors.

    **a.**    $5 \times$ _____ $= 15$

    **b.**    $7 \times$ _____ $= 14$

    **c.**    $6 \times$ _____ $= 60$

48. Fill in the missing products.

| **a.** 8 | **b.** 6 | **c.** 7 | **d.** 4 |
|---|---|---|---|
| × 4 | × 4 | × 3 | × 7 |

49. Fill in the missing factors and products.

    **a.**    $6 \times 10 =$ _____         **b.**    _____ $\times 5 = 15$

    **c.**    $4 \times$ _____ $= 40$         **d.**    $5 \times 9 =$ _____

    **e.**    $4 \times 2 =$ _____         **f.**    $9 \times$ _____ $= 18$

50. Write >, <, or =.

    $7 \times 5 \times 2$ _____ $35 \times 2$

    $7 \times 5 \times 2$ _____ $7 \times 10$

**3rd to 4th Grade Summer Practice**

51. Complete the Fact Triangle and write the fact family.



_____ × _____ = _____

_____ × _____ = _____

_____ ÷ _____ = _____

_____ ÷ _____ = _____
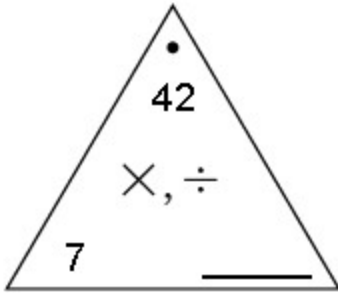
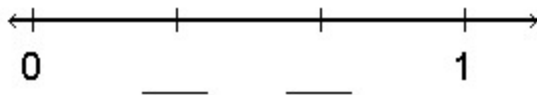52. Alisha has $90. She spent $20 on groceries, and $30 on clothes.

How much money does she have left?
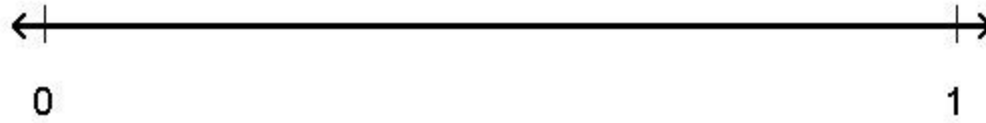Write a number model. Use *m* to represent the money Alisha has left.

Number model: _____

How much money does Alisha have left?  $_____

53. Fill in the missing fractions on the number line.
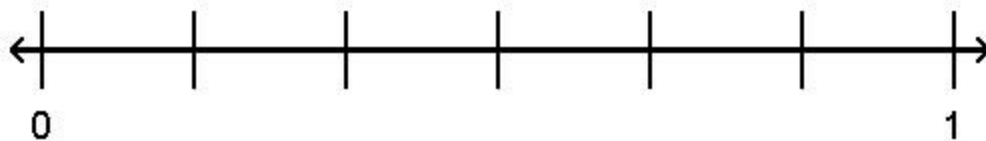
**3rd to 4th Grade Summer Practice**

54. **a.** Divide the interval into 6 equal parts.

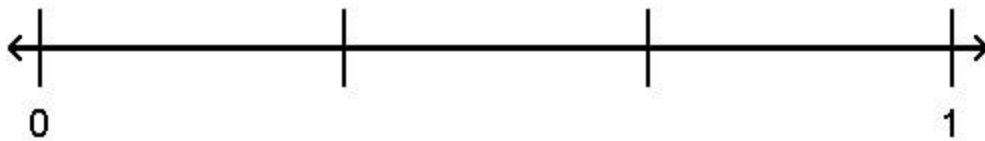0                                                          1

**b.** Label $\frac{4}{6}$ on the number line.

**c.** How many $\frac{1}{6}$s make $\frac{4}{6}$? _____

55. **a.** Circle $\frac{4}{6}$ on the number line below.

0                                                          1

**b.** Circle $\frac{2}{3}$ on the number line below.

0                                                          1

**c.** Are $\frac{4}{6}$ and $\frac{2}{3}$ equivalent fractions? Explain your answer.

_____

_____

_____

**3rd to 4th Grade Summer Practice**

56. Write 4 fractions equivalent to $\frac{1}{4}$.


   _____  _____  _____  _____

57. Circle the fractions that are equivalent to $\frac{1}{2}$.


   $\frac{2}{4}$     $\frac{3}{6}$     $\frac{5}{10}$

   $\frac{5}{8}$     $\frac{5}{12}$     $\frac{2}{1}$

58. Write >, <, or =.

   $\frac{3}{7}$ ☐ $\frac{3}{5}$

59. A baker needs 84 eggs. Eggs come in cartons that hold 12 eggs each. How many cartons does the baker need?

   _____ cartons

60. How many 8s in 64? _____
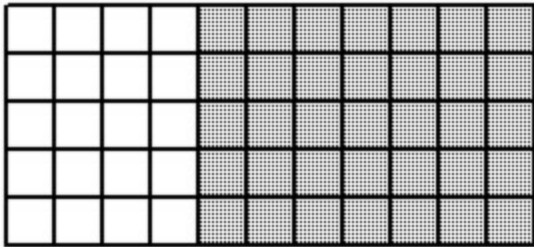
   How many 7s in 21? _____

61. How much do four 60-pound white marlins weigh?

   _____ pounds

   Show your work.

**3rd to 4th Grade Summer Practice**

62. Danielle is replacing the floor in her bathroom with white and black tiles according to the design below. Find the total area of the bathroom two different ways.
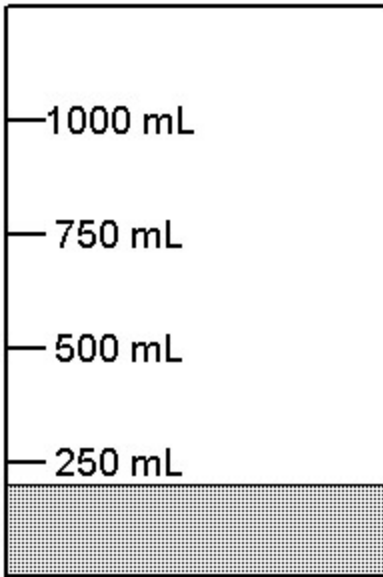


Total Area = width of bathroom × (length of white tiles + length of black tiles)

_____

Total Area = area of white tiles + area of black tiles

_____

**3rd to 4th Grade Summer Practice**

63. John has a beaker with 200 mL of liquid in it. If he adds 450 mL of liquid to the beaker, how much liquid will be in the beaker altogether?
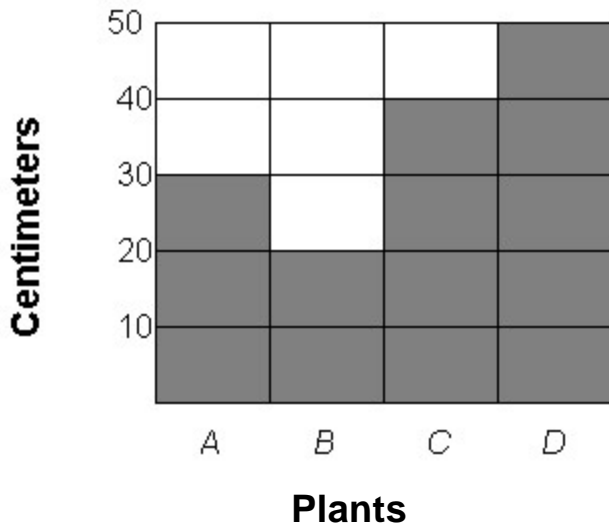
_____ mL

—1000 mL

— 750 mL

— 500 mL

— 250 mL

64. A penny weighs about 3 g. How much do 7 pennies weigh?

About _____

(unit)

**3rd to 4th Grade Summer Practice**

65. Use the bar graph.



**Plants**

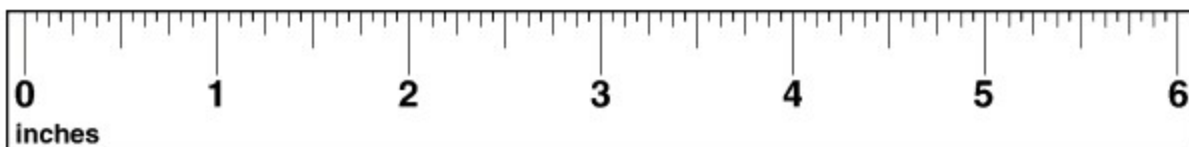Which plant is the tallest? _____ How tall is it? _____

Which plant is the shortest? _____ How tall is it? _____

What is the height difference between the tallest and shortest plants?

_____

66. **a.** Make a dot at $1\frac{1}{2}$ inches. Label it with the letter *K*.

**b.** Make a dot at **3** inches. Label it with the letter *L*.

**c.** Make a dot at $5\frac{1}{2}$ inches. Label it with the letter *M*.

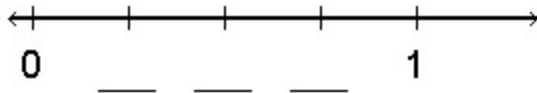**3rd to 4th Grade Summer Practice**

67. Draw a set of 12 circles.

Color $\frac{1}{12}$ of the set green.

Color $\frac{1}{4}$ of the set red.

Color $\frac{1}{6}$ of the set blue.

68. Fill in the missing fractions on the number line.
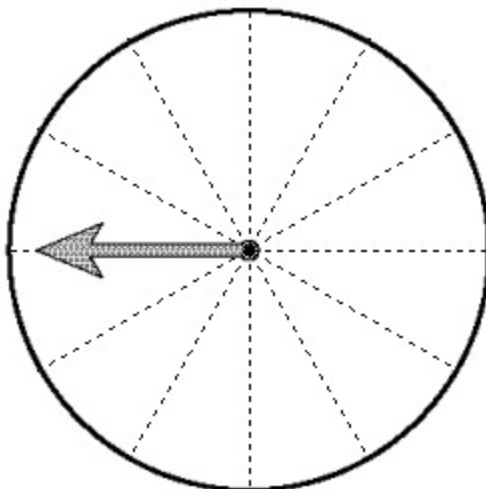


0 ___ ___ ___ 1

69. Color the spinner so that it matches the description.

$\frac{1}{4}$ blue

$\frac{1}{6}$ green

$\frac{7}{12}$ red



What color would you expect the spinner to land on most often? _____

**3rd to 4th Grade Summer Practice**

70. It takes Julian and Ethan 16 minutes to ride their bicycles to the library. If they leave home at 3:58 P.M., at what time will they arrive?

_____ : _____ P.M.