

Kindergarten-Primary Assessment Tools  
Second Grade Mathematics

**Reading and Writing Number Words**

Name \_\_\_\_\_

Date \_\_\_\_\_

**Read the number words and write the numerals:**

1. twelve \_\_\_\_\_

6. eighty \_\_\_\_\_

2. sixteen \_\_\_\_\_

7. thirty-three \_\_\_\_\_

3. twenty \_\_\_\_\_

8. fifty-eight \_\_\_\_\_

4. fifteen \_\_\_\_\_

9. forty-one \_\_\_\_\_

5. sixty-two \_\_\_\_\_

10. one hundred nine \_\_\_\_\_



**Read the number words and write the numerals:**

**Read the numerals and write the number words:**

11. one hundred twenty-two \_\_\_\_\_

6. 242 \_\_\_\_\_

12. eight hundred twelve \_\_\_\_\_

7. 980 \_\_\_\_\_

13. one thousand three hundred \_\_\_\_\_

8. 1,568 \_\_\_\_\_

14. seven hundred sixty-one \_\_\_\_\_

9. 704 \_\_\_\_\_

15. four thousand five \_\_\_\_\_

10. 6,031 \_\_\_\_\_

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Addition and Subtraction

Name \_\_\_\_\_ Date \_\_\_\_\_

Solve the problems and write the answers. You may need to regroup in some problems.

1. 
$$\begin{array}{r} 25 \\ +30 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 45 \\ +25 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 72 \\ +19 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} \$6.40 \\ + .40 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 56 \\ + 27 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 76 \\ -25 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 54 \\ -20 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 82 \\ - 36 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 63 \\ - 53 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 47 \\ - 29 \\ \hline \end{array}$$



11. 
$$\begin{array}{r} 74 \\ +16 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 61 \\ + 8 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 4.8 \\ +9.6 \\ \hline \end{array}$$

14.  $36 + 72 = \underline{\hspace{2cm}}$

15.  $47 + 9 = \underline{\hspace{2cm}}$

16. 
$$\begin{array}{r} 69 \\ -26 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 70 \\ -15 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 3.60 \\ -2.40 \\ \hline \end{array}$$

19.  $57 - 47 = \underline{\hspace{2cm}}$

20.  $45 - 27 = \underline{\hspace{2cm}}$

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**Addends and Subtrahends**

Name \_\_\_\_\_ Date \_\_\_\_\_

**Fill in the missing addends:**

1.  $35 + \underline{\hspace{2cm}} = 70$

2.  $21 + \underline{\hspace{2cm}} = 52$

3.  $8 + \underline{\hspace{2cm}} = 151$

4.  $9 + \underline{\hspace{2cm}} = 99$

5.  $19 + \underline{\hspace{2cm}} = 113$

**Fill in the missing subtrahends:**

6.  $91 - \underline{\hspace{2cm}} = 40$

7.  $75 - \underline{\hspace{2cm}} = 52$

8.  $110 - \underline{\hspace{2cm}} = 57$

9.  $136 - \underline{\hspace{2cm}} = 99$

10.  $115 - \underline{\hspace{2cm}} = 7$

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**Fill in the missing addends:**

11.  $\underline{\hspace{2cm}} + 90 = 184$

12.  $\underline{\hspace{2cm}} + 62 = 80$

13.  $36 + \underline{\hspace{2cm}} = 132$

14.  $\underline{\hspace{2cm}} + 26 = 100$

15.  $\underline{\hspace{2cm}} + 105 = 213$

**Fill in the missing subtrahends:**

16.  $108 - \underline{\hspace{2cm}} = 75$

17.  $173 - \underline{\hspace{2cm}} = 159$

18.  $214 - \underline{\hspace{2cm}} = 107$

19.  $147 - \underline{\hspace{2cm}} = 88$

20.  $642 - \underline{\hspace{2cm}} = 267$

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Place Value

Name \_\_\_\_\_ Date \_\_\_\_\_

Fill in the blanks, counting up by ones.

- 1. 98, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 102, \_\_\_\_\_
- 2. 209, \_\_\_\_\_, \_\_\_\_\_, 212, \_\_\_\_\_
- 3. 463, \_\_\_\_\_, 465, \_\_\_\_\_, \_\_\_\_\_

Follow the directions your teacher reads.

4. 47	5. 90	6. 251	7. 943	8. 678
Circle the digit in the ten's place.	Circle the digit in the one's place.	Circle the digit in the ten's place.	Circle the digit in the hundred's place	Circle the digit in the one's place

.....  
Fill in the missing numbers. (Count up or down by ones.)

- 9. \_\_\_\_\_, 257, \_\_\_\_\_, 259, \_\_\_\_\_, \_\_\_\_\_
- 10. 598, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- 11. \_\_\_\_\_, 808, \_\_\_\_\_, \_\_\_\_\_

Write the corresponding number for:

- 12. 5 tens, 9 ones, and 8 hundreds \_\_\_\_\_
- 13. 4 hundreds, 3 ones, and 6 tens \_\_\_\_\_
- 14. 0 ones, 2 hundreds, and 7 tens \_\_\_\_\_
- 15. 9 hundreds, 8 tens, and 7 ones \_\_\_\_\_
- 16. 2 tens, 0 ones, and 9 hundreds \_\_\_\_\_

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## Word Problems

Name \_\_\_\_\_ Date \_\_\_\_\_

**Read the following word problems to the students. Give time after each problem for students to work out the problem on their worksheets. You may repeat the word problems as necessary. Also, you may translate the word problems into the child's home language.**

1. At the first stop, five (5) children got on the bus. At the next stop, three (3) children got on the bus. At the last stop, four (4) children got on the bus. How many children got on the bus?
2. Eleven (11) children were playing at the playground. Four (4) children had to go home for lunch. How many children were left at the playground?
3. I have five (5) apple trees in my backyard. Each tree has 10 apples on it. How many apples are there altogether?
4. My brother got seven (7) presents for his birthday. I got 10 presents for my birthday. How many more presents did I get?
5. Stephanie's mom bought 16 balloons. On the way home, two (2) balloons flew away and one (1) balloon popped. How many balloons did Stephanie's mom have when she got home?
6. Four (4) brothers and three (3) sisters live in the apartment next door. Two of the children got sick and stayed home from school. How many children from this family went to school?
7. I brought 12 pieces of candy to the park. I am going to share them equally with my friend Bob. How many pieces of candy will we each have?
8. Our school has 45 students on the first floor and 39 students on the second floor. How many students are there in our school?
9. My mother has five (5) bracelets. Each bracelet has three (3) beads on it. How many beads does my mother have on her bracelets?
10. There are 21 students in our class. Today we are going on a field trip and our teacher told us to bring a lunch. Fourteen (14) people brought a lunch. How many people forgot their lunch?

Listen to the word problems and solve them in the spaces below. Circle your answer.

1.	2.
3.	4.
5.	6.
7.	8.
9.	10.

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Fractions

Name \_\_\_\_\_ Date \_\_\_\_\_

Put an X on the picture that shows the fraction named.

<p>1. <math>\frac{3}{4}</math></p>	<p>2. <math>\frac{1}{4}</math></p>	<p>3. <math>\frac{1}{3}</math></p>	<p>4. <math>\frac{2}{3}</math></p>	<p>5. <math>\frac{1}{2}</math></p>
------------------------------------	------------------------------------	------------------------------------	------------------------------------	------------------------------------

What part is shaded? Fill in the correct circle (○).

<p>6.  ○ <math>\frac{1}{6}</math>    ○ <math>\frac{2}{6}</math> ○ <math>\frac{1}{4}</math>    ○ <math>\frac{2}{4}</math></p>	<p>7.  ○ <math>\frac{2}{3}</math>    ○ <math>\frac{1}{3}</math> ○ <math>\frac{1}{4}</math>    ○ <math>\frac{2}{5}</math></p>	<p>8.  ○ <math>\frac{1}{2}</math>    ○ <math>\frac{1}{4}</math> ○ <math>\frac{2}{3}</math>    ○ <math>\frac{2}{5}</math></p>
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<p>9. Color in <math>\frac{1}{4}</math> of the balloons.</p>	<p>10. Color <math>\frac{1}{5}</math> of the pencils.</p>
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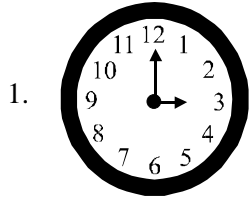
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Time

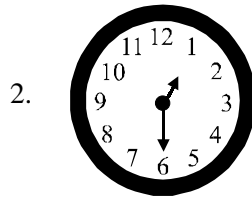
Name \_\_\_\_\_

Date \_\_\_\_\_

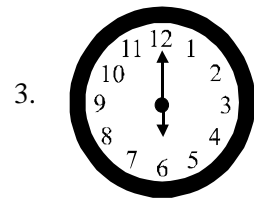
Write the time that is shown on each clock.



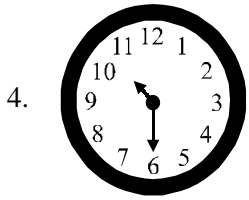
\_\_\_\_\_



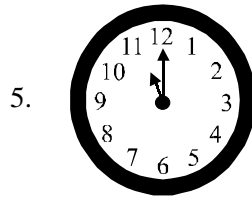
\_\_\_\_\_



\_\_\_\_\_

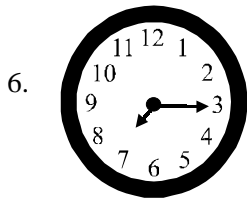


\_\_\_\_\_

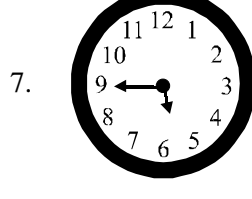


\_\_\_\_\_

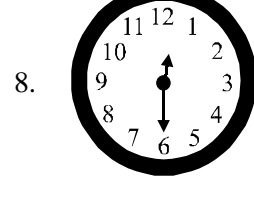
-----  
Write the time that is shown on each clock.



\_\_\_\_\_

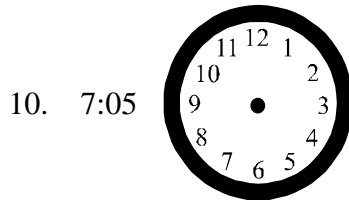
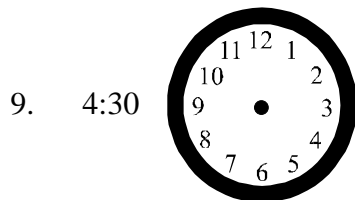


\_\_\_\_\_



\_\_\_\_\_

Draw hands on the clocks to show the following times.





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# Measuring Length

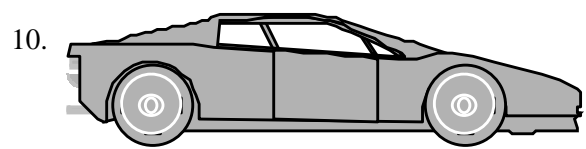
Name \_\_\_\_\_

Date \_\_\_\_\_

Measure each line in inches. Write the length in the box after the line.



Measure the length of each object in centimeters. Write the length in the box after each object.



**Kindergarten-Primary Assessment Tools  
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**Estimation**

Name \_\_\_\_\_ Date \_\_\_\_\_

**Part I**

Pose questions about situations with which children are familiar. Some examples follow.

1. Predict how many minutes it will take to read a story, do the math assignments, etc. Then do it and see how well you predicted.
2. Predict how many objects are in the jar. (Use the same objects in different-sized jars and use different objects in same-sized jars.)
3. Predict the length of various objects in the classroom. For example: How many “hands” wide is your desk, the teacher’s desk, the chalkboard. Extend the activity by asking students to predict this length in inches if their “hand” is 5 inches long.
4. Estimate the average temperatures at various seasons of the year.
5. If a seven year old child weighs about 60 pounds, predict how much a new-born baby weighs? An adult man?

Ask students to measure various objects and/or line segments to the nearest centimeter and half inch.

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Estimation

Name \_\_\_\_\_

Date \_\_\_\_\_

Part II

Fill in the circle by the answer choice which is the best estimate.

- Approximately how long does it take to brush your teeth?  
 2 seconds                       2 minutes                       2 hours
- Approximately how long does it take to build a snowman?  
 1 second                       1 minute                       1 hour
- Approximately how long does it take to print your name?  
 5 seconds                       5 minutes                       5 hours
- Approximately how many children are in your school?  
 Fewer than 50 children       50 - 200 children               More than 200 children
- Approximately how tall is your classroom door?  
 2 feet                       7 feet                       12 feet
- Approximately how long is a worm?  
 2 inches                       2 feet                       2 yards
- Approximately how many gallons of water will fit in your bathtub?  
 1 gallon                       100 gallons                       1000 gallons
- Approximately how many glasses of milk are in a gallon?  
 5 glasses                       15 glasses                       75 glasses
- What is the most likely temperature of the water in your bath?  
 20°                       50°                       80°
- Approximately how much does a backpack containing four large textbooks weigh?  
 3 pounds                       18 pounds                       45 pounds






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Money

Name \_\_\_\_\_

Date \_\_\_\_\_

Add up the coins in each row and write the amount on the blank line.

1.		_____
2.		_____
3.		_____
4.		_____
5.		_____

**Pretend you work in a store and must give customers change for their purchases. Tell how many pennies, nickels, dimes, quarters, and dollars you would give the customer.**

6. Customer gives you a quarter (25¢) for a fifteen cent (15¢) piece of candy.

*Change:* \_\_\_\_ pennies \_\_\_\_ nickels \_\_\_\_ dimes \_\_\_\_ quarters \_\_\_\_ dollars

7. Customer gives you a quarter (25¢) and a dime (10¢) for a 32¢ pad of paper.

*Change:* \_\_\_\_ pennies \_\_\_\_ nickels \_\_\_\_ dimes \_\_\_\_ quarters \_\_\_\_ dollars

8. Customer gives you a dollar (\$1.00) for an 85¢ toy.

*Change:* \_\_\_\_ pennies \_\_\_\_ nickels \_\_\_\_ dimes \_\_\_\_ quarters \_\_\_\_ dollars

9. Customer gives you a dollar (\$1.00) for a 55¢ newspaper.

*Change:* \_\_\_\_ pennies \_\_\_\_ nickels \_\_\_\_ dimes \_\_\_\_ quarters \_\_\_\_ dollars

10. Customer gives you five dollars (\$5.00) for a \$3.70 t-shirt.

*Change:* \_\_\_\_ pennies \_\_\_\_ nickels \_\_\_\_ dimes \_\_\_\_ quarters \_\_\_\_ dollars

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# Patterns

Name \_\_\_\_\_ Date \_\_\_\_\_

Look at the pattern. What comes next? Fill in the blanks.

1. 2, 4, 6, 8, 10, 12, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

2. A B B A B B A B \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

3.  \_\_\_\_\_ \_\_\_\_\_

4. 68, 79, 90, 101, \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

5.  \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

6. S, T, V, 2S, 2T, 2V, 3S, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

7. 3, 6, 9, 12, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

8. 40, 35, 30, 25, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

9. 8:00, 7:30, 7:00, 6:30, \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

10. \$ .25, \$ .50, \$ .75, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

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# Symbols

Name \_\_\_\_\_

Date \_\_\_\_\_

**Fill in the box with the symbol (+, -, =) that makes the math sentence true.**

1.  $19 - 9$    $10$

2.  $14$    $4 = 10$

3.  $12 + 8$    $30 - 10$

4.  $6 + 8$    $7 + 7$

5.  $36 + 5 = 33$    $8$

**Fill in the box with the symbol (= or  $\neq$ ) that makes the math sentence true.**

6.  $6 - 4$    $10$

7.  $22$    $20 + 2$

8.  $41 + 9$    $49$

9.  $100 + 9$    $200$

10.  $19 + 4$    $36 - 13$



**Fill in the box with the symbol (<, >, or =) that makes the sentence true.**

11.  $24 + 5$    $45 - 14$

12.  $2 \times 4$    $7$

13.  $100$    $49 + 51$

14.  $400$    $200 + 199$

15.  $86 + 27$    $122 - 14$

16.  $5 \times 4$    $20$

17.  $550 + 50$    $599$

18.  $17$    $6 \times 3$

19.  $25 + 25$    $50$

20.  $53 - 28$    $6 \times 4$

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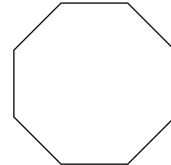
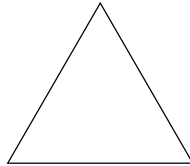
# Geometry

Name \_\_\_\_\_

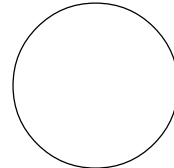
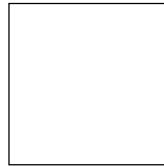
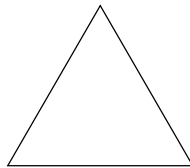
Date \_\_\_\_\_

Put an X on the shape your teacher names.

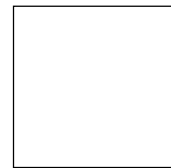
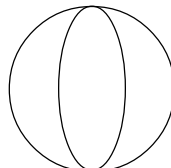
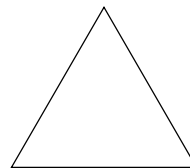
1. octagon



2. triangle



3. sphere



4. a) How many angles does a square have? \_\_\_\_\_

b) How many sides does a triangle have? \_\_\_\_\_

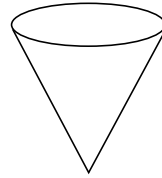
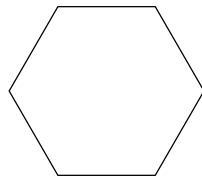
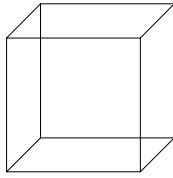
5. a) How many flat sides (faces) does a cube have? \_\_\_\_\_

b) How many flat sides (faces) does a pyramid have? \_\_\_\_\_



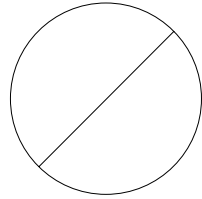
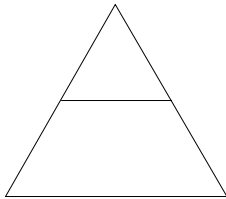
Put an X on the shape your teacher names.

6. cone

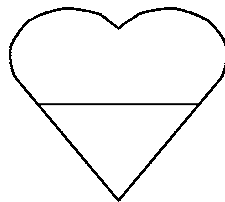
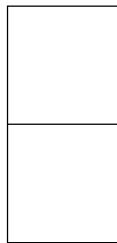


Put an X on the shape that shows a line of symmetry.

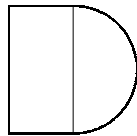
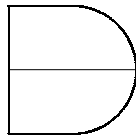
7.



8.

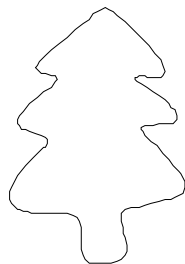


9.

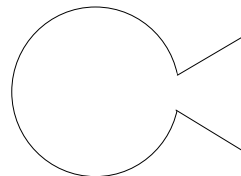


10. Draw **one** line of symmetry for each shape.

h)



b)



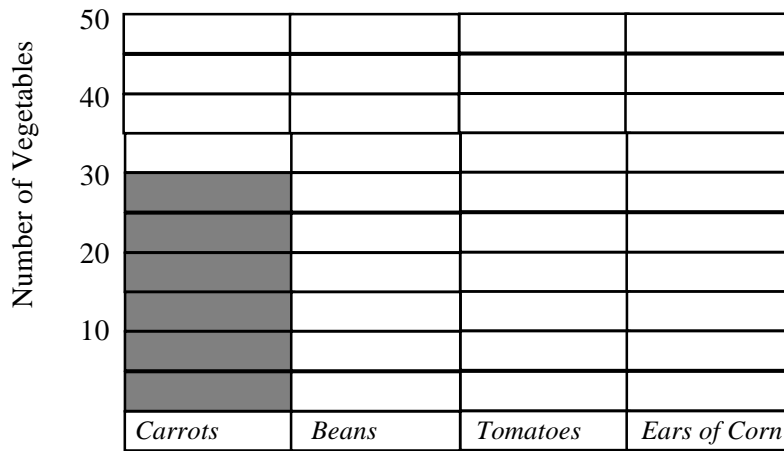
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# Graphs

Name \_\_\_\_\_ Date \_\_\_\_\_

- 1–3. Complete the graph below, showing the number of plants grown in the garden if they grew:
- 35 bean plants
  - 50 tomato plants
  - 20 fewer ears of corn than carrot plants.

Vegetables Grown in the Garden

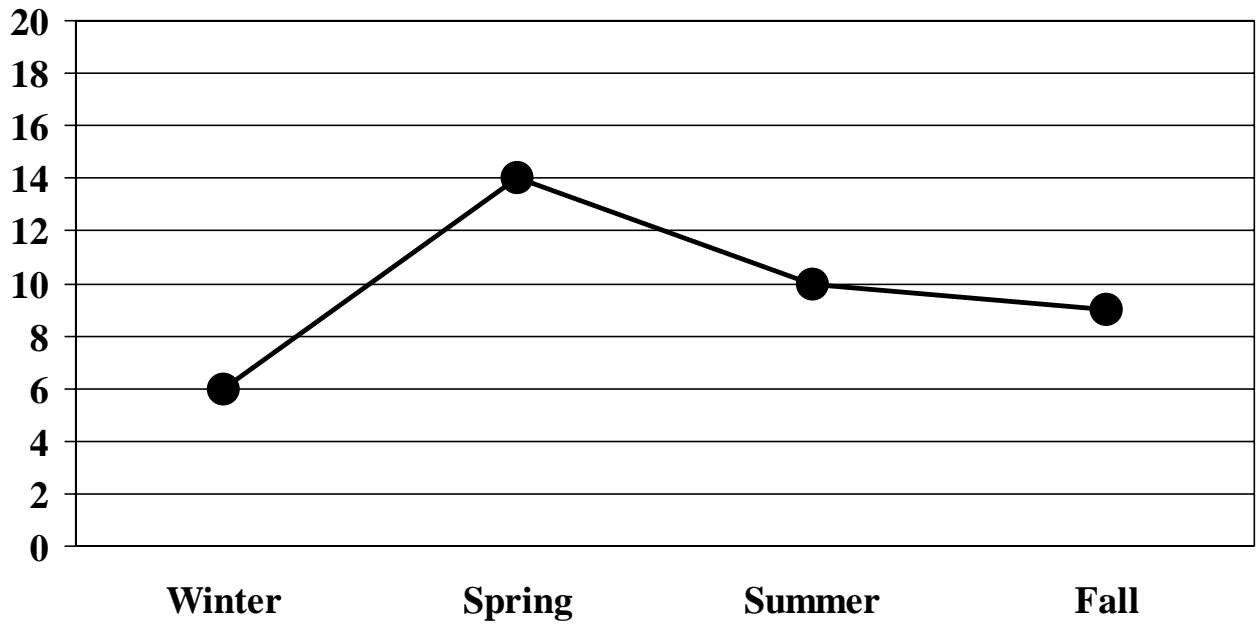


4. How many plants all together grew in the garden?

- 30       115  
 95       125

Use the graph below to answer Questions 5–7.  
Color the circle next to the correct answer.

### Favorite Seasons

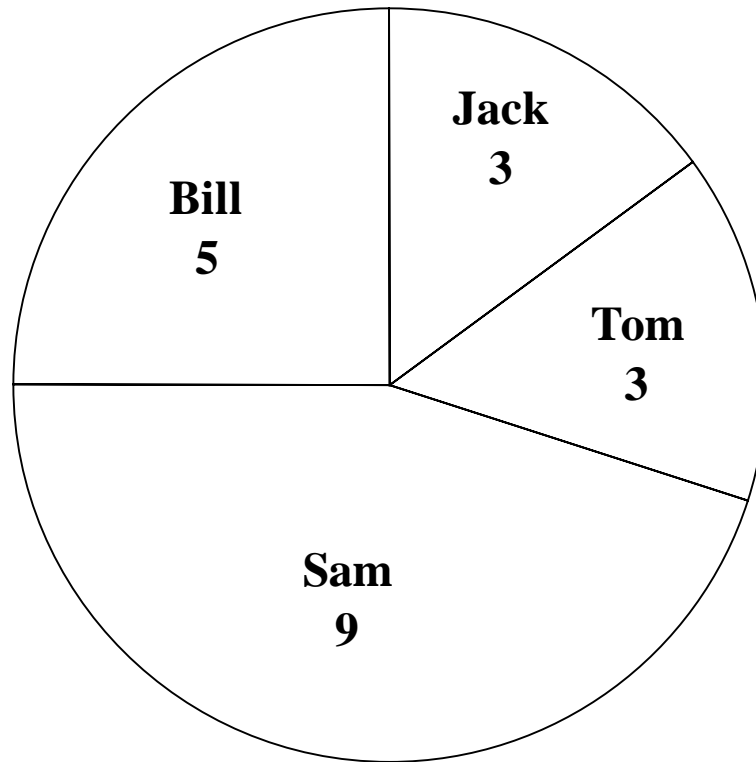


<p>5. Which season did most people pick?</p> <p><input type="radio"/> Winter</p> <p><input type="radio"/> Spring</p> <p><input type="radio"/> Summer</p>	<p>6. How many people liked fall best?</p> <p><input type="radio"/> 10</p> <p><input type="radio"/> 9</p> <p><input type="radio"/> 8</p>
<p>7. How many more people picked spring than picked summer?</p> <p><input type="radio"/> 2</p> <p><input type="radio"/> 4</p> <p><input type="radio"/> 6</p>	

Use the graph below to answer Questions 8–10.

Color the circle next to the correct answer.

**Number of Books Read**



8. How many books did the four boys read this week?

- 9
- 17
- 20
- 24

9. Which two boys read the most books?

- Jack and Tom
- Bill and Jack
- Tom and Sam
- Bill and Sam

10. Bill read how many more books than Tom?

- 2
- 5
- 3
- 8

Use the class schedule to answer the problems below.

**Grade School  
Schedule for Room 100**

<b>Time</b>	<b>Mon.</b>	<b>Tues.</b>	<b>Wed.</b>	<b>Thurs.</b>	<b>Fri.</b>
9:00 - 10:00	Reading	Reading	Reading	Reading	Reading
10:00 - 10:45			Art		Library
10:45 - 11:00					
11:00 - 11:50				Music	
11:50 - 12:30					
12:30 - 1:00		Computer Lab			Computer Lab
1:00 - 1:45				P. E.	
1:45 - 2:30		P. E.			

11. On which day of the week does Room 100 have music? \_\_\_\_\_
12. On which day of the week does this room have no *special* classes? \_\_\_\_\_
13. How much time do students in Room 100 spend on reading each week? \_\_\_\_\_
14. How much time do students in Room 100 spend in Computer Lab each week? \_\_\_\_\_
15. In which *special* subject (not reading) do Room 100 students spend the most time? \_\_\_\_\_