45. What is the value of the 6 in the number 16,891?
   A. 600
   B. 6,000
   C. 60
   D. 60,000

46. \[
\frac{1}{4} \quad \_ \quad 0.25
\]
   A. <
   B. >
   C. =
   D. \times
47. Order the following numbers from least to greatest.

12.54, 12.45, 12.65, 12.75

A. 12.54, 12.45, 12.65, 12.75
B. 12.45, 12.65, 12.75, 12.54
C. 12.75, 12.65, 12.54, 12.45
D. 12.45, 12.54, 12.65, 12.75

48. Choose a benchmark number to estimate the number of seats on a large airplane.

A. 3 seats
B. 300 seats
C. 3,000 seats
D. 30,000 seats

49. \[ \frac{1}{4} = 0.75 \]

A. \( \frac{1}{4} \)
B. \( \frac{3}{4} \)
C. \( \frac{1}{2} \)
D. \( \frac{7}{5} \)

50. What is the word form for the number 2,453,789?

A. two thousand, four hundred fifty-three, seven hundred eighty-nine
B. two billion, four hundred fifty-three thousand, seven hundred eighty-nine
C. twenty-four fifty three thousand, seven hundred eighty-nine
D. two million, four hundred fifty-three thousand, seven hundred eighty-nine
51. Which fraction has a value equal to the shaded part modeled below?

A. \( \frac{4}{5} \)

B. \( \frac{4}{9} \)

C. \( \frac{2}{3} \)

D. \( \frac{5}{9} \)

52. What is the greatest common factor of 3 and 6?

A. 3
B. 6
C. 12
D. 18

53. Identify the multiplication property.

\[ 13 \times 11 = 11 \times 13 \]

A. commutative property
B. identity property
C. associative property
D. zero property

54. Sarah went on vacation. The trip will cost her $75 per night for a hotel room. She plans on staying 4 nights. How much will she pay for her hotel room?

A. $75
B. $300
C. $175
D. $150
55. Use mental math to complete the following.

\[
\begin{align*}
1 \times 0.007 &= 0.007 \\
10 \times 0.007 &= 0.07 \\
100 \times 0.007 &= 0.7 \\
1,000 \times 0.007 &= ?
\end{align*}
\]

A. 1,000 \times 0.007 = 7
B. 1,000 \times 0.007 = 700
C. 1,000 \times 0.007 = 7,000
D. 1,000 \times 0.007 = 70

56. Look at the problem below.

Jim bought 12 cookies. He divided the cookies equally amongst himself and 2 friends. How many did each person receive?

Which expression would you use to solve the problem?

A. 12 \times 3
B. 12 + 3
C. 12 - 3
D. 12 \div 3

57. What is the best unit to measure a football field?

A. inches
B. feet
C. yards
D. miles

58. 400 cm = ____ m

A. 4,000
B. 40
C. 4
D. 1
59. Use the ruler to determine the length of the block to the nearest quarter of an inch.
   A. \(2\frac{1}{2}\) in
   B. \(1\frac{3}{4}\) in
   C. \(2\frac{1}{4}\) in
   D. \(2\frac{3}{4}\) in

60. Which of the following triangles is an equilateral?
   A. 
   B. 
   C. 
   D. 

61. Name the shape.
   A. octagon
   B. hexagon
   C. heptagon
   D. pentagon
62. Luz is putting up border in the new baby’s room. Two walls each measure 11 feet, and two walls each measure 10 feet. What is the perimeter of the room?
   A. 21 ft
   B. 110 ft
   C. 42 ft
   D. 220 ft

63. What are the coordinates for the letter “A”?

A. (1, 3)
B. (3, 1)
C. (2, 1)
D. (1, 2)
64. Which shape is divided symmetrically?

A.  

B.  

C.  

D.  

65. Which heart has been turned 180°?

A.  

B.  

C.  

D.  

66. What is the rule for the number pattern below?

4, 9, 14, 19, 24

A. multiply by 4  
B. add 4  
C. multiply by 5  
D. add 5
67. Determine the missing number.

<table>
<thead>
<tr>
<th></th>
<th>X</th>
<th>Y</th>
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<tbody>
<tr>
<td>A</td>
<td>10</td>
<td></td>
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<tr>
<td>B</td>
<td>5</td>
<td></td>
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<tr>
<td>C</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>15</td>
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</table>


68. Identify which algebraic equation represents the phrase:

**Eight less than five times a number is thirty-three.**

A. $5x - 8 = 33$
B. $8 - 5x = 33$
C. $33 - 8 = 5x$
D. $33 - 5x = 8$

69. What is the value of the $x$ in the following problem?

$x + 5 > 13$

A. $x = 8$
B. $x < 8$
C. $x > 8$
D. $x > 8$ or $x = 8$

70. Find the range of the following test scores.

$51, 78, 75, 78, 74, 82$

A. 133
B. 438
C. 78
D. 31
71. Look at the graph below. How many books did Rebecca read this year?
   A. 16 books
   B. 18 books
   C. 15 books
   D. 20 books

![Books Read This Year](image)

72. Find the mode using the stem and leaf plot.
   A. 51
   B. 78
   C. 82
   D. 74

<table>
<thead>
<tr>
<th>Stem</th>
<th>Leaves</th>
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<tbody>
<tr>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>8 5 8 4</td>
</tr>
<tr>
<td>8</td>
<td>2</td>
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</tbody>
</table>
73. Look at the pie chart below. What did the largest percentage of students drink for breakfast?
   A. Milk  
   B. Water  
   C. Orange Juice  
   D. Soda

![Pie Chart: What Students Drink for Breakfast](image)

74. John has three pairs of shorts (black, blue, and tan) and four shirts (white, red, green, and yellow) in his closet. How many different outfits can John make if he can wear an item more than once?
   A. 7 outfits  
   B. 12 outfits  
   C. 3 outfits  
   D. 4 outfits

75. What is the probability of landing on heads when flipping a coin?
   A. \(\frac{1}{4}\)  
   B. \(\frac{1}{3}\)  
   C. \(\frac{1}{8}\)  
   D. \(\frac{1}{2}\)
76. What is the probability of landing on a prime number when rolling a six-sided die numbered 1 through 6?
   A. $\frac{1}{2}$
   B. $\frac{1}{7}$
   C. $\frac{1}{12}$
   D. $\frac{1}{4}$

77. If one letter is chosen at random from the word sweet, what is the probability of selecting the letter "e"?
   A. $\frac{1}{5}$
   B. $\frac{2}{5}$
   C. $\frac{1}{3}$
   D. $\frac{2}{3}$

78. Which two figures will tessellate?
   A.  
   B.  
   C.  
   D.  

21
79. Tell how the first figure was moved.

A. transformation
B. reflection
C. rotation
D. 180° turn

80. Which angle is an acute angle?