This Practice Test is meant as a review of the concepts covered in this unit. The answers are attached to check your work. Do not bring this practice back to school unless you have a question on how to work a problem.

1. Measure and label the sides of the polygon in centimeters.

2. Measure and label the sides of the polygon in centimeters.

3. Measure and label the sides of the polygon in centimeters.

4. Measure and label the sides of the polygon in centimeters.
5. One side of the triangle is 3 centimeters, and another side of the triangle is 2 centimeters. Find the length of the third side of the triangle. Then find the perimeter. (Perimeter is the distance around the triangle.)

6. Find the length of the remaining side of the polygon. Then find the perimeter of the polygon. (Perimeter is the distance around the polygon.)

7. Make a dot at 1 inch.
8. Solve. Show your work.

\[
\begin{array}{c}
963 \\
\times 8
\end{array}
\]

9. Measure the line segment to the nearest half inch.

10. The children in Mr. Jackson's class had the following scores on a reading test. Show these scores in a frequency table.

<table>
<thead>
<tr>
<th>Reading Test Scores</th>
<th>Scores</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 71 72 73 75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>75 76 74 75 74</td>
<td></td>
<td></td>
</tr>
<tr>
<td>71 76 75 70 71</td>
<td></td>
<td></td>
</tr>
<tr>
<td>71 75 74 70 76</td>
<td></td>
<td></td>
</tr>
<tr>
<td>71 74 74 75 75</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\[
\begin{array}{|c|c|c|}
\hline
\text{Tallies} & \text{Number} \\
\hline
70 & & \\
71 & & \\
72 & & \\
73 & & \\
74 & & \\
75 & & \\
76 & & \\
\hline
\text{Total} & & \\
\hline
\end{array}
\]
11. Make a line plot to show the spelling test scores data from the frequency table.

<table>
<thead>
<tr>
<th>Scores</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tallies</td>
</tr>
<tr>
<td>81</td>
<td>1</td>
</tr>
<tr>
<td>83</td>
<td>2</td>
</tr>
<tr>
<td>85</td>
<td>1</td>
</tr>
<tr>
<td>87</td>
<td>4</td>
</tr>
<tr>
<td>89</td>
<td>6</td>
</tr>
<tr>
<td>91</td>
<td>7</td>
</tr>
<tr>
<td>93</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Total</td>
</tr>
</tbody>
</table>

12. Jackson did a survey of the scores on a reading test. He created this frequency table. Find the mean, median, and mode of the scores.

<table>
<thead>
<tr>
<th>Scores</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tallies</td>
</tr>
<tr>
<td>70</td>
<td>3</td>
</tr>
<tr>
<td>74</td>
<td>4</td>
</tr>
<tr>
<td>75</td>
<td>1</td>
</tr>
<tr>
<td>80</td>
<td>1</td>
</tr>
<tr>
<td>85</td>
<td>6</td>
</tr>
<tr>
<td>90</td>
<td>7</td>
</tr>
<tr>
<td>95</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
</tr>
</tbody>
</table>
Fill in the blanks.

13. 24 in. = ____ ft
    ____ ft = 3 yd

14. ____ in. = 3 ft
    12 ft = ____ yd

Fill in the blank.

15. 2 yards = ____ inches

16. 3 yards = ____ inches

17. 216 inches = ____ yards

Fill in the blank.

18. 180 inches = ____ yards

19.
   a. Color $\frac{1}{6}$ of the marbles blue. Color $\frac{1}{3}$ of the marbles green.
   b. Write a fraction that shows the number of marbles not colored.
      _________
20.
a. Color \( \frac{1}{3} \) of the marbles blue. Color \( \frac{3}{12} \) of the marbles green.
b. Write a fraction that shows the number of marbles not colored.

21. a. Color \( \frac{1}{2} \) of the marbles blue. Color \( \frac{1}{3} \) of the marbles green.
b. Write a fraction that shows the number of marbles not colored.

22.
a. Color \( \frac{1}{4} \) of the marbles blue. Color \( \frac{1}{6} \) of the marbles green.
b. Write a fraction that shows the number of marbles not colored.
23. Coach Tremaine made the table below to show the number of runs scored during each of the last 6 games.

<table>
<thead>
<tr>
<th>Game</th>
<th>Runs Scored</th>
</tr>
</thead>
<tbody>
<tr>
<td>Game 1</td>
<td>12</td>
</tr>
<tr>
<td>Game 2</td>
<td>6</td>
</tr>
<tr>
<td>Game 3</td>
<td>11</td>
</tr>
<tr>
<td>Game 4</td>
<td>8</td>
</tr>
<tr>
<td>Game 5</td>
<td>6</td>
</tr>
<tr>
<td>Game 6</td>
<td>5</td>
</tr>
</tbody>
</table>

What was the mean, or average, number of runs scored? 

24. Solve. Show your work.

\[
\begin{array}{c}
67 \\
\times 24 \\
\end{array}
\]
[5] Third side: 2 cm; Perimeter: 7 cm

[6] Remaining side: 5 cm; Perimeter: 15 cm

[7] 

[8] 

\[
\begin{array}{c}
\text{9 6 3}
\
\times \quad 8
\
\hline
7 2 0 0
\
4 8 0
\
+ \quad 2 4
\
7,7 0 4
\end{array}
\]

[9] 1 inch

[10] 

<table>
<thead>
<tr>
<th>Scores</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tallies</td>
</tr>
<tr>
<td>70</td>
<td>III</td>
</tr>
<tr>
<td>71</td>
<td>NN</td>
</tr>
<tr>
<td>72</td>
<td>I</td>
</tr>
<tr>
<td>73</td>
<td>I</td>
</tr>
<tr>
<td>74</td>
<td>NN</td>
</tr>
<tr>
<td>75</td>
<td>NN II</td>
</tr>
<tr>
<td>76</td>
<td>III</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>
Spelling Test Scores in Mr. Hill's class

Number of Children

81 83 85 87 89 91 93

Spelling Test Scores

[12] 83.44; 85; 90

[13] 2; 9

[14] 36; 4

[15] 72

[16] 108

[17] 6

[18] 5


b. \( \frac{1}{2} \)


b. $\frac{5}{12}$

[21] a. \[
\begin{array}{cccc}
\text{B} & \text{B} & \text{B} & \text{B} \\
\text{B} & \text{B} & \text{G} & \text{G} \\
\text{G} & \text{G} & & \\
\end{array}
\]
b. $\frac{1}{6}$

[22] a. \[
\begin{array}{cccc}
\text{B} & \text{G} & & \\
\text{B} & \text{G} & & \\
\text{B} & & & \\
\end{array}
\]
b. $\frac{7}{12}$

[23] 8

[24] \[
\begin{array}{c}
67 \\
\times 24 \\
\hline
1200 \\
140 \\
240 \\
+ 28 \\
\hline
1608
\end{array}
\]