1. One quarter is \(\frac{191}{200}\) inch in diameter. Eight quarters are placed side-by-side along a line. How many inches long is the line of quarters? Give your answer as a decimal.

6. How much air is needed to fill a ball with a diameter of 7 centimeters?
A. 134 cm\(^3\)
B. 539 cm\(^3\)
C. 180 cm\(^3\)
D. 789 cm\(^3\)

2. Solve the equation:
\[8 - 3n = -5 - 2n\]

7. Carla is renting a canoe. It costs $80 for 2 hours and $110 for 4 hours. What is the rate of change for this situation?

3. A storage tank has the dimensions shown below. How many storage tanks are needed to contain 60,000 cubic meters of liquid? Use 3.14 for \(\pi\).

A. 99
B. 100
C. 102
D. 105

8. What is the unit rate represented by the table below?

<table>
<thead>
<tr>
<th>Time (s)</th>
<th>Distance (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>7.5</td>
</tr>
<tr>
<td>10</td>
<td>15</td>
</tr>
<tr>
<td>20</td>
<td>30</td>
</tr>
</tbody>
</table>

4. Find the total surface area of the prism shown below.

9. Myra sells peach cobbler at the farmer’s market. She charges $12 for each cobbler. It costs her $5 to make each cobbler, and there is a $35 fee she must pay each week to have a booth at the market. Write an inequality to find the number of cobblers Myra must sell each week in order to make a profit.

5. The total surface area of a cylinder is 690.8 inches. Its diameter is 10 inches. What is its height? Use 3.14 for \(\pi\).

10. The measures of the three angles of a triangle are given by \(18x - 7\), \(12x + 9\), and \(4x\). What is the measure of the largest angle?
A. 5.2\(^\circ\)
B. 21\(^\circ\)
C. 71.9\(^\circ\)
D. 87.3\(^\circ\)
## Give Me Five!

<table>
<thead>
<tr>
<th></th>
<th>Integers</th>
<th>Fractions</th>
<th>Decimals</th>
<th>Equations</th>
<th>Formulas</th>
</tr>
</thead>
</table>
| **Monday** | 7 - (-6) + 2 =       | \(2 \frac{1}{3} \times 4 \frac{3}{8} =\) | 187 - 45.7 =     | 8 + 4x = 56    | Circumference  
  \(C = 2 \pi r\)  
  \(r=6 \text{ cm}\)  
  \(C = \)                                      |
| **Tuesday** | 11 - (-2) - 4 =     | \(\frac{5}{6} \div \frac{4}{5} =\)  | 8.7 \times 5.56 = | 9x + 7 = 12x + 1 | Circumference  
  \(C = 2 \pi r\)  
  \(r=11 \text{ m}\)  
  \(C = \)                                      |
| **Wednesday** | 24 + -5 \times -6 = | 7 \frac{1}{3} + 1 \frac{3}{4} = | 5.6 + 99 =       | 3x - 26 = 2x  | Circumference  
  \(C = 2 \pi r\)  
  \(r=15 \text{ yd}\)  
  \(C = \)                                      |
| **Thursday** | 8 - (-4) \times 2 = | 2 \frac{1}{3} \div \frac{3}{8} = | 32.76 ÷ 5.2 =    | 34 = 14 + 5x | Circumference  
  \(C = 2 \pi r\)  
  \(r=16 \text{ in}\)  
  \(C = \)                                      |
| **Friday** | \(81 + (-7) =\)     | \(3 \frac{1}{2} \times 4 \frac{5}{8} =\) | 86 ÷ 4 =         | 4x - 56 = 98 | Circumference  
  \(C = 2 \pi r\)  
  \(r=20.5 \text{ ft}\)  
  \(C = \)                                      |