1. Write each number in words:
   (a) 0.301
   (b) 300.001

2. Write each decimal as a fraction, reduced to lowest terms:
   (a) 0.37
   (b) 0.048

3. Write each fraction as a decimal:
   (a) \[
   \frac{9}{10}
   \]
   (b) \[
   \frac{63}{1000}
   \]

4. Fill in each blank with “<”, “>”, or “=”:
   (a) 0.002 ___ 0.2
   (b) 8.365 ___ 8.371

5. (a) Round to the nearest tenth: 2.547
   (b) Round to the nearest hundredth: 365.008

6. Add: 480.3125 + 6.47

7. Subtract: 57 – 3.29

8. Multiply: (0.21)(0.007)

9. Divide: 803.203 / 2.003

10. Write as a decimal: \[
    \frac{7}{11}
    \]
11. Write as a decimal: \( \frac{17}{25} \)

12. Evaluate:
   (a) \((8.5)(100)\) =
   (b) \(8.5 / 100\) =
   (c) \(8.5 / 10\) =
   (d) \(8.5 / 1000\) =

13. Write each percent as a decimal:
   (a) 7%
   (b) 37.2%
   (c) 0.7%
   (d) 3720%

14. Write each decimal as a percent:
   (a) 0.9
   (b) 0.017
   (c) 90.
   (d) 0.0048

15. Complete this table of equivalents:

<table>
<thead>
<tr>
<th>fraction</th>
<th>decimal</th>
<th>percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>( \frac{3}{8} )</td>
<td></td>
<td>28%</td>
</tr>
<tr>
<td>( \frac{17}{4} )</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
16. Evaluate:
   (a) \( (547 \times 100) = \)
   (b) \( 547 \div 100 = \)
   (c) \( 547 \div 10 = \)
   (d) \( 547 \div 1000 = \)

17. What is 7% of 30,000?

18. What is 300% of 2?

19. 0.4% of 150 is what?

20. 4800 is what percent of 30,000?

21. 35 is what percent of 7000?

22. What percent of 2 is 0.75?

23. Choose the best estimate:
    2% of 31,000 is closest to
    (a) 6        (b) 60       (c) 600       (d) 6,000       (e) 60,000

24. Choose the best estimate:
    150 is closest to what percent of 4900?
    (a) 0.3%      (b) 3%       (c) 30%       (d) 300%       (e) 3000%
1. The **height** of a triangle is ________________ to the **base**.

2. The **area** inside a parallelogram is ( half of / equal to / twice )
   the area inside a rectangle with the same base and height.

3. The **area** inside an acute **triangle** is ( half of / equal to / twice )
   the area inside a rectangle with the same base and height.

4. The **radius** of a circle is ( half of / equal to / twice ) the **diameter**.

5. The diameter of a circle is ( half of / equal to / twice ) the radius.

6. **Circumference** is just a specific word for the ________________ of a circle.

7. The circumference of a circle is about ( half / double / triple / quadruple ) the diameter.

8. Calculate the **diameter**, **radius**, **circumference**, and **area** of a 16-inch pizza.

   At the same time and place, a flagpole casts an 11-foot-long shadow.
   How tall is the flagpole?

10. One of the angles in a triangle measures 40 degrees.
    Another angle measures 75 degrees.
    What is the measure of the third angle?

11. Calculate the area inside a triangle with a 35-foot base and a height of 300 inches.

12. Calculate the **volume** inside a cone with a 10-inch (diameter) base and 21 inches tall.
    You may use the formula  \( V = \frac{\pi r^2 h}{3} \).