



Metric Units: meters, centimeters and millimeters

Grade 3 Measurement Worksheet

Note: 1 meter (m) = 100 centimeters (cm) = 1,000 millimeters (mm)

Convert to the units shown:

- 61 m = _____ cm
- 63 cm = _____ mm
- 48 m = _____ mm
- 44 m = _____ cm
- 92 m = _____ cm
- 59 m = _____ cm
- 32 m = _____ cm
- 53 m = _____ cm
- 34 m = _____ mm
- 14 m = _____ mm

Convert to the units shown:

- 8 000 cm = _____ m
- 7 000 mm = _____ m
- 6 000 cm = _____ m
- 6 000 mm = _____ cm
- 3 000 cm = _____ m
- 8 000 mm = _____ m
- 9 000 mm = _____ cm
- 7 000 mm = _____ cm
- 2 000 mm = _____ m
- 1 000 mm = _____ cm

Metric units of capacity: liters and milliliters

Grade 3 Measurement Worksheet

Note: 1 liter (L) = 1,000 milliliter (mL)

Convert litres to milliliters

1. 5 L = _____ mL 2. 22 L = _____ mL

3. 28 L = _____ mL 4. 27 L = _____ mL

5. 9 L = _____ mL 6. 78 L = _____ mL

7. 34 L = _____ mL 8. 42 L = _____ mL

9. 87 L = _____ mL 10. 84 L = _____ mL

Convert milliliters to liters

11. 30,000 mL = _____ L 12. 7 000 mL = _____ L

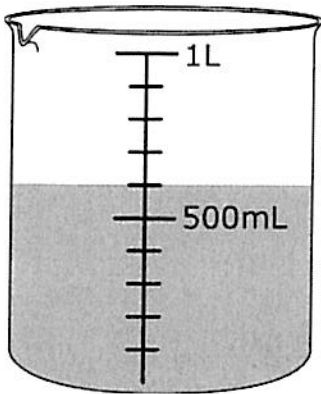
13. 10 000 mL = _____ L 14. 6.000 mL = _____ L

15. 1 000 mL = _____ L 16. 5 000 mL = _____ L

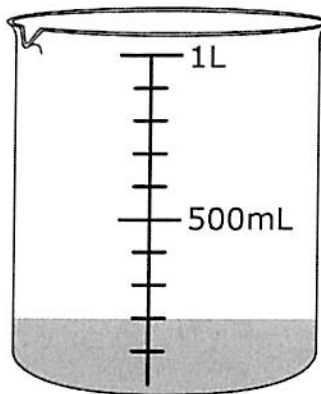
17. 2.000 mL = _____ L 18. 4 000 mL = _____ L

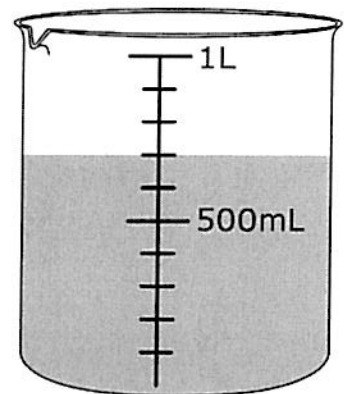
19. 8.000 mL = _____ L 20. 40 000 mL = _____ L

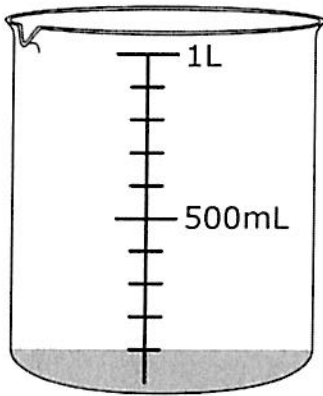
1. Record the volume of water in each jug.

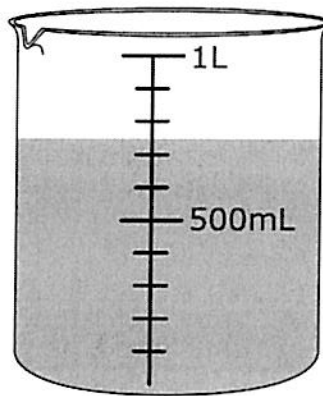


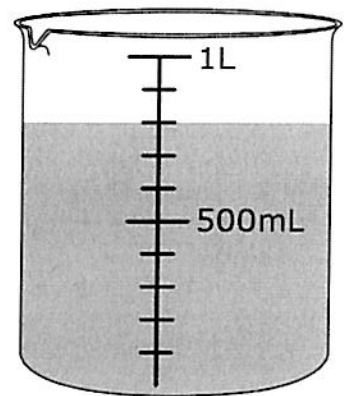
_____ mL



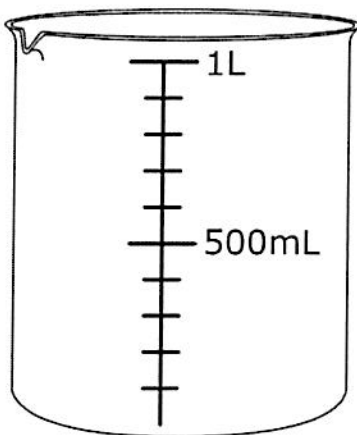




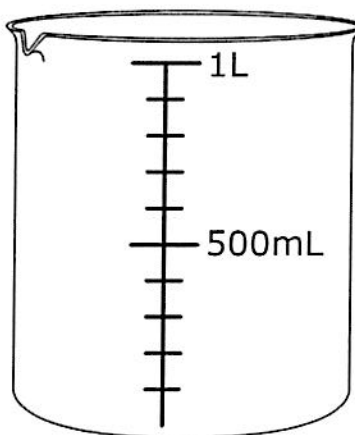




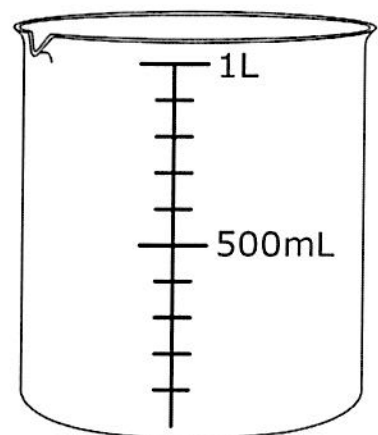
2. Colour in water in each jug to match the measurement below.



400 mL



1000 mL



250 mL

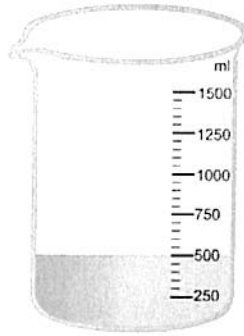
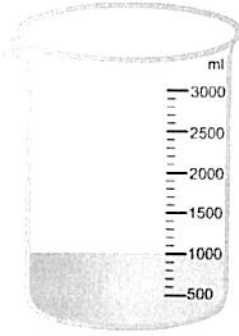
Comparing Capacity

Name: _____

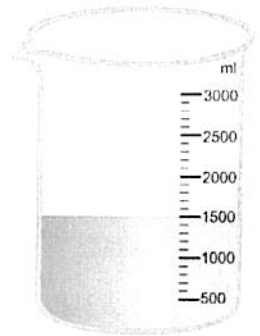
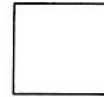
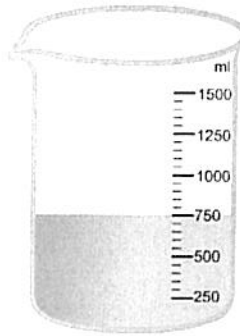
Date: _____

Write the $>$, $<$, $=$ in the boxes by comparing the containers.

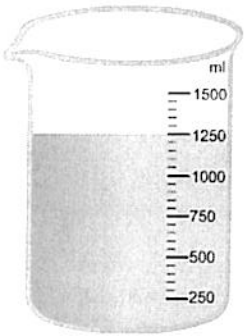
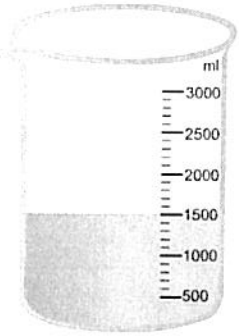
1.



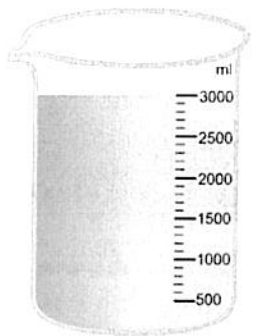
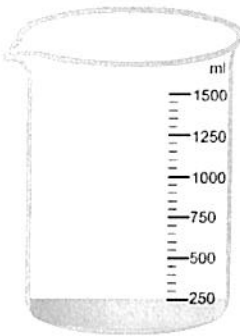
2.



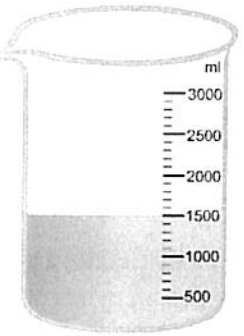
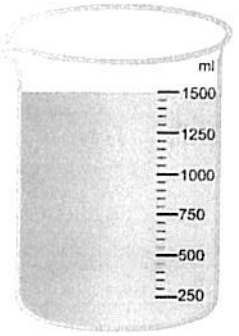
3.



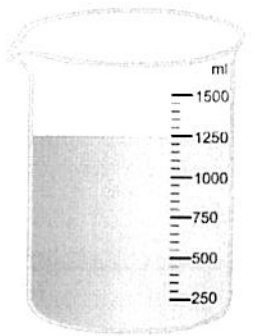
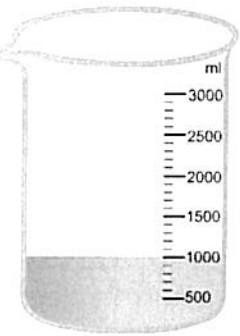
4.



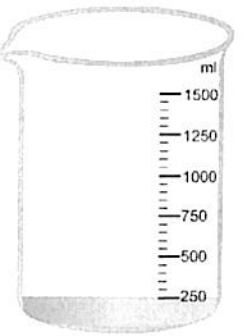
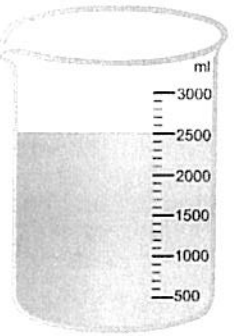
5.



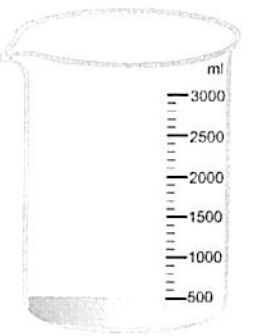
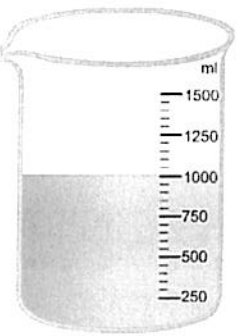
6.



7.



8.



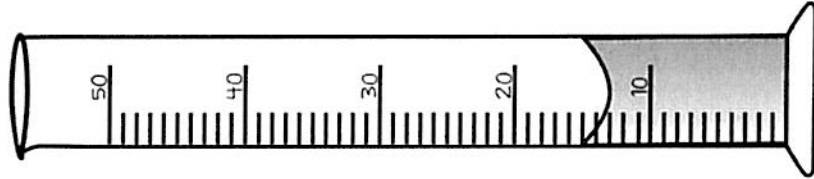
Name: _____
Date: _____

Finding

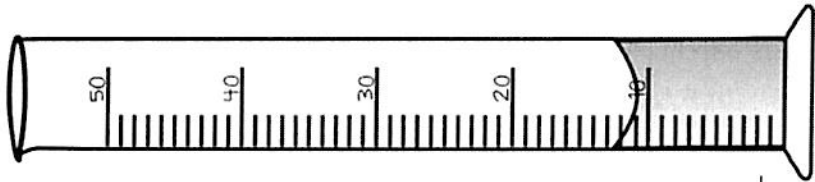
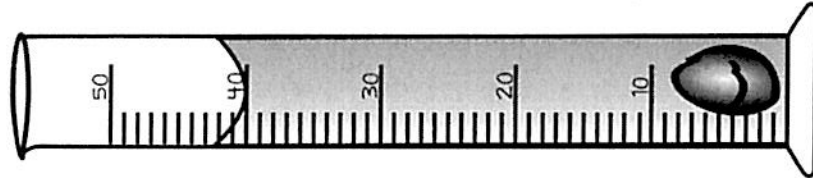
Displaced Volume

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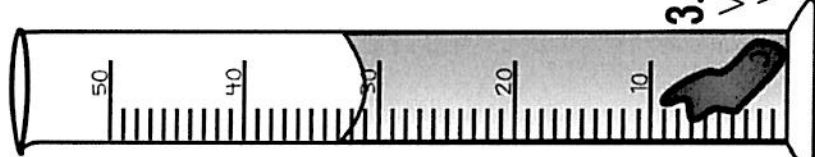
Directions: Find the volume of the water in the first graduated cylinder, find the volume of the second cylinder with the water and object, then subtract the two to find the displaced volume of the object.



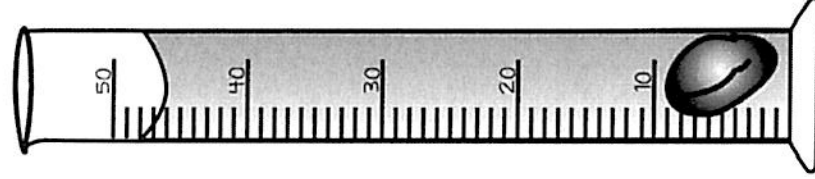
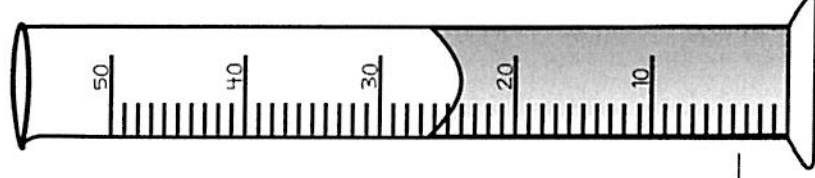
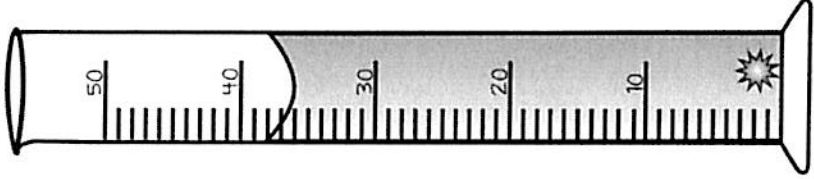
1. Volume of water: _____
Volume of water & rock: _____
Volume of rock: _____



2. Volume of water: _____
Volume of water & rock: _____
Volume of rock: _____



3. Volume of water: _____
Volume of water & object: _____
Volume of object: _____



4. Volume of water: _____
Volume of water & rock: _____
Volume of rock: _____

Name _____

Addition & Subtraction

$$\begin{array}{r} 147 \\ + 65 \\ \hline \end{array}$$

$$\begin{array}{r} 249 \\ + 54 \\ \hline \end{array}$$

$$\begin{array}{r} 480 \\ + 96 \\ \hline \end{array}$$

$$\begin{array}{r} 724 \\ + 77 \\ \hline \end{array}$$

$$\begin{array}{r} 338 \\ + 164 \\ \hline \end{array}$$

$$\begin{array}{r} 761 \\ + 139 \\ \hline \end{array}$$

$$\begin{array}{r} 623 \\ + 479 \\ \hline \end{array}$$

$$\begin{array}{r} 584 \\ + 215 \\ \hline \end{array}$$

$$\begin{array}{r} 328 \\ - 68 \\ \hline \end{array}$$

$$\begin{array}{r} 169 \\ - 74 \\ \hline \end{array}$$

$$\begin{array}{r} 943 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 517 \\ - 63 \\ \hline \end{array}$$

$$\begin{array}{r} 836 \\ - 268 \\ \hline \end{array}$$

$$\begin{array}{r} 545 \\ - 385 \\ \hline \end{array}$$

$$\begin{array}{r} 905 \\ - 628 \\ \hline \end{array}$$

$$\begin{array}{r} 734 \\ - 461 \\ \hline \end{array}$$

Name _____

Addition & Subtraction

$$\begin{array}{r} 184 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 344 \\ + 75 \\ \hline \end{array}$$

$$\begin{array}{r} 568 \\ + 54 \\ \hline \end{array}$$

$$\begin{array}{r} 825 \\ + 77 \\ \hline \end{array}$$

$$\begin{array}{r} 246 \\ + 164 \\ \hline \end{array}$$

$$\begin{array}{r} 747 \\ + 189 \\ \hline \end{array}$$

$$\begin{array}{r} 323 \\ + 278 \\ \hline \end{array}$$

$$\begin{array}{r} 481 \\ + 239 \\ \hline \end{array}$$

$$\begin{array}{r} 158 \\ - 65 \\ \hline \end{array}$$

$$\begin{array}{r} 246 \\ - 74 \\ \hline \end{array}$$

$$\begin{array}{r} 823 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 574 \\ - 98 \\ \hline \end{array}$$

$$\begin{array}{r} 340 \\ - 164 \\ \hline \end{array}$$

$$\begin{array}{r} 506 \\ - 428 \\ \hline \end{array}$$

$$\begin{array}{r} 905 \\ - 328 \\ \hline \end{array}$$

$$\begin{array}{r} 730 \\ - 261 \\ \hline \end{array}$$