

Measurement

Circle the best estimate for the capacity of the container.

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|---|----------------|---------------------|------------|------------|
| 1 | juice box | 30 mL | 300 mL | 3 liters |
| 2 | kitchen sink | 20 quarts | 40 gallons | 100 liters |
| 3 | beach pail | 30 liters | 30 quarts | 3 liters |
| 4 | car's gas tank | 2 gallons | 20 gallons | 200 liters |
| 5 | watering can | $\frac{1}{2}$ quart | 1 gallon | 20 gallons |
| 6 | spaghetti pot | 1 liter | 5 liters | 50 liters |

Write the equivalent measure.

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|----|----------------------------------|----|----------------------------------|
| 7 | 3 liters = _____ milliliters | 8 | 8 quarts = _____ gallons |
| 9 | 2,000 milliliters = _____ liters | 10 | 4 pints = _____ quarts |
| 11 | 8 cups = _____ pints | 12 | 20 cups = _____ quarts |
| 13 | 5 gallons = _____ quarts | 14 | 2,500 milliliters = _____ liters |
| 15 | 28 pints = _____ cups | 16 | 16 quarts = _____ gallons |

Problem Solving

Use a strategy to solve.

- 17 Nine players are entered in a chess tournament. In each match, the losing player is eliminated from the tournament. How many matches will be needed to find a champion? _____
- 18 James tried to memorize Bruce's telephone number, but couldn't remember the last 2 digits. How many different phone numbers could be Bruce's number? Explain.
- _____
- _____