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| 1. Convert each of the following to the units indicated. All answers should include units and be rounded to the appropriate number of significant figures. | |
| 1. How many mL are in 1.25 L? (1000 mL = 1 L) |  |
| /2 |
| 1. How many cm are in 45.0 in? (1 in = 2.54 cm) | |
|  | /2 |
| 1. How many liters are in 5.1 gallons? (0.264 gal = 1 L) | |
|  | /2 |

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| 1. Convert each of the following to the units indicated. All answers should include units and be rounded to the appropriate number of significant figures. | |
| 1. How many inches are in 0.75 meters? (2.54 cm = 1 in; 100 cm = 1 m) |  |
| /2 |
| 1. How many liters are in 25 cups? (0.264 L = 1 gal; 8 cups = 1 gal) | |
|  | /2 |
| 1. How many minutes left in the school year if there are 256 days remaining? (1 day = 24 hours; 60 min = 1 hour) | |
|  | /2 |

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| 1. Refer to the diagram to answer the question below. All answers should include units and be rounded to the appropriate number of significant figures. | |
| 1. Record the measurement shown in the figure in mL. | |
|  | /1 |
| (b) How much is this amount in cm3? (1 mL=1 cm3) | |
|  | /2 |
| (c) How much is this amount in m3? (100 cm = 1m) | |
|  | /2 |

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| 4. Complete the following conversions |
| 125 ft2 to inches2 (12 in = 1 ft) |
| 25 cm3 to inches3 |
| 10 cm2 to m2 (100 cm = 1 m) |

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| 5. Convert the following: |
| 85oC to K |
| 298 K to oC |
| 0oC to K |