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| **Skill 3.01 Exercise 1** |
| Carry out the following arithmetic operations and round the result to the correct significant figures: |
| 5.6792 m + 0.6 m + 4.33 m |
| 3.70 g – 2.9133 g |
| 4.51 cm + 3.666 cm |
| 2.989 g + 9.91 g + 9000 g |

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| **Skill 3.02 Exercise 1** |
| Carry out the following arithmetic operations and round the result to the correct significant figures: |
| 2 x 3.123 |
| 2.000 x 3.123 |
| 0.010 cm + 3.666 cm |
| 2000/3.000 |

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| **Skill 3.03 Exercise 1** |
| A student counted 1100 jelly beans in the jar shown. If each jelly beans weighs exactly 1.00 g. How should the weight of all the jelly beans be reported? |
| The mass of an object is 9.001 g. What is the mass to the appropriate significant figures of 19 of these objects? |
| The density of an object was determined experimentally to be 2.001 g/mL, 2.115 g/mL, 2.050 g/mL, 1.999 g/mL, 2.101 g/mL. How should the average density of this object be reported? |

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| **Skill 3.04 Exercise 1** |
| A student collected the following data. Using the data determine the density of the object.  Volume of water = 20.11 mL  Volume of water and object = 25.111 mL  Mass of object = 10.00 g |
| A student collected the following data. Using the data determine the density of the object.  Length of cube: 20. cm  Mass of cube: 4. g |