1. Kelvin ordered four pizzas for a birthday party. The pizzas were cut in eighths. How many slices were there? Draw a picture to support your response.

\[ 4 \div \frac{1}{8} = 4 \times 8 = 32 \]

There were 32 slices of pizza.

2. Virgil has \( \frac{1}{6} \) of a birthday cake left over. He wants to share the leftover cake with 3 friends. What fraction of the original cake will each of the 4 people receive? Draw a picture to support your response.

\[ \frac{1}{6} \div 4 = \frac{1}{6} \times \frac{1}{4} = \frac{1}{24} \]

Each person will receive \( \frac{1}{24} \) of the original cake.

3. A pitcher of water contains \( \frac{1}{4} \) liters of water. The water is poured equally into 5 glasses.
   a. How many liters of water are in each glass? Draw a picture to support your response.

\[ \frac{1}{4} \div 5 = \frac{1}{4} \times \frac{1}{5} = \frac{1}{20} \]

b. Write the amount of water in each glass in milliliters.

\[ 1 \text{ liter} = 1000 \text{ milliliters} \]

\[ \frac{1}{20} \text{ L} = \frac{1000}{20} \text{ mL} = 50 \text{ mL} \]
4. Drew has 4 pieces of rope 1 meter long each. He cuts each rope into fifths.
   a. How many fifths will he have after cutting all the ropes?
      1 m  1 m  1 m  1 m
      4 m He will have 20 fifths of rope.
      \[ 4 \div \frac{1}{5} = 4 \times 5 = 20 \]
   b. How long will each of the fifths be in centimeters?
      Each fifth is \( \frac{1}{5} \) m, so it will be 20 cm.
      \[ 1 \text{ m} = 100 \text{ cm} \quad \frac{1}{5} \text{ m} = \frac{100}{5} \text{ cm} = 20 \text{ cm} \]

5. A container is filled with blueberries. \( \frac{1}{6} \) of the blueberries is poured equally into two bowls.
   a. What fraction of the blueberries is in each bowl?
      \( \frac{1}{6} \div 2 = \frac{1}{6} \times \frac{1}{2} = \frac{1}{12} \)
      \( \frac{1}{12} \) of the blueberries is in each bowl.
   b. If each bowl has 6 ounces of blueberries in it, how many ounces of blueberries were in the full container?
      \( 6 \text{ oz} \times 12 \text{ bowls} = 72 \text{ ounces total} \)
   c. If \( \frac{1}{5} \) of the remaining blueberries are used to make muffins, how many pounds of blueberries are left in the container?
      \[ \frac{4}{2} - \frac{3}{4} = \frac{3}{4} \text{ lb} \]
      \[ \frac{1}{5} \times \frac{3}{4} = \frac{1}{5} \times \frac{15}{4} = \frac{3}{4} \]
      \[ \frac{3}{4} - \frac{3}{4} = 3 \]
      There are 3 pounds left in the container.