Try these.

i) $15.90 \div 5 = \$ 3.18$

ii) $(\$12.00 + \$9.00 + \$21.00) \div 4 = \$ 10.50$

**Unit price:** the amount of money charged for a unit of an item.

**Examples**

1) Heidi sells cleaning products in bulk at her store. She puts the liquid in large containers and customers can fill their own bottles. How should Heidi display the unit price for a cleaner that sells for $115 for 25 L?

   a) Calculate the price for each quantity.

   Price per litre: $\$115 \div 25 \text{ L} = \$ 4.60 /\text{L}$

   Price per 500 mL: $\frac{\$4.60}{2} = \$ 2.30 /500 \text{ mL}$

   Price per 100 mL: $\frac{\$2.30}{5} = \$ 0.46 /100 \text{ mL}$

   b) Should Heidi display the price per litre, per 500 mL, or per 100 mL? Why?

   
   
   500 mL - most people buy that size and seems like a reasonable price

2) Rama advertises bananas for $1.99 per kilogram. Is this more or less than 59¢ a pound?
(1 pound \approx 0.45 kg)

   
   $1.99 /\text{kg}$

   
   $\frac{0.95}{0.45 \text{ kg}}$

   
   $\frac{0.95}{0.95}$

   
   $\$ 1.31 /\text{kg}$

3) If a type of salami at the deli costs $1.59 per 100 g, how much will you pay for 350 g?

   $1.59 \times 3.5 = \$ 6.65$

4) If a carton of one dozen eggs costs $3.29, how much are you paying for 1 egg?

   \$ 3.29 for 12 eggs

   \( \div 12 \)

   \( 0.2742 \Rightarrow \$ 0.27 /\text{egg} \)
5) Tanya found these prices for tomato juice:

\[
\begin{align*}
A: & \quad 1.89 \text{ L for } 3.99 \\
B: & \quad 750 \text{ mL for } 2.99 \\
C: & \quad 250 \text{ mL for } 0.89 \\
\end{align*}
\]

Which size sells for the lowest unit price?

\[
\frac{3.99}{1.89} \quad (A) \quad \frac{2.99}{750} \quad (B) \quad \frac{0.89}{250} \quad (C)
\]

\(A\) is lowest price

6) Sasha is a landscape gardener. He sees that a 200-foot roll of string trimmer line costs $18.75. A 150-foot roll of line costs $15.21.

a) Which roll of line is the least expensive per foot?

\(A\) $18.75 \div 200 = 0.09 \text{/ ft} \quad (9 \text{ cents})

\(B\) $15.21 \div 150 = 0.10 \text{ / ft} \quad (10 \text{ cents})

b) What is the difference in price, per foot?

\(2 \text{ cents}\)

7) If \(\frac{3}{2}\) kg of tomatoes cost $8.25, how much will you pay for 7 kg?

\[
\frac{8.25}{\frac{3}{2}} = \frac{8.25 \times 2}{3} = 5.5 \text{ / kg} \\
5.5 \times 7 = 33.5 \text{ / kg}
\]

8) During the summer, Dean works as a cashier in a store near Saskatchewan’s Greenwater Lake Provincial Park. The store sells a case of 12 bottles of water for $8.50 and individual bottles of the same brand of water for $1.55.

a) Approximately how much does each bottle of water in the case of 12 cost?

\[
\frac{8.50}{12} = 0.71 \text{ / bottle}
\]

b) How much would a customer save by buying a case of water, rather than 12 individual bottles?

\[
(12 \times 1.55) - 8.50 = 18.60 - 8.50 = 10.10
\]