

6

Getting Started

Hint

A percent is a fraction out of 100.

1. Write each percent as a decimal.

a) 25% = _____

d) 7% = _____

b) 15% = _____

e) 1.5% = _____

c) 47% = _____

f) 12.5% = _____

2. Calculate.

a) 25% of 500 = _____

d) 35% of 300 = _____

b) 6% of 35.50 = _____

e) 2.5% of 50 = _____

c) 10% of 1650 = _____

f) 0.5% of 29 = _____

3. Write each decimal as a percent.

a) 0.65 = _____

d) 0.04 = _____

b) 0.12 = _____

e) 0.055 = _____

c) 0.1 = _____

f) 0.002 = _____

4. Write each fraction as a percent. Round to the nearest tenth.

a) $\frac{2}{5}$ = _____

c) $\frac{1}{3}$ \doteq _____

b) $\frac{5}{8}$ = _____

d) $\frac{4}{3}$ \doteq _____

5. Complete the chart.

Fraction	Decimal	Percent
	0.25	
		30%
$\frac{4}{5}$		
$\frac{9}{8}$		
	1.23	
		5.9%

6. Calculate the total cost of each item, including GST.

To determine GST, calculate 5% of the price.

a) MP3 player for \$79.99

GST: $\$79.99 \times \underline{\hspace{2cm}} = \$\underline{\hspace{2cm}}$

Total: $\$79.99 + \$\underline{\hspace{2cm}} = \$\underline{\hspace{2cm}}$

b) laptop for \$549.99

GST:

Total:

Hint

GST stands for Goods and Services Tax. Some provinces have an additional provincial sales tax called PST. Some provinces combine the PST and GST and charge a harmonized sales tax, HST.

7. Calculate.

a) $\frac{1}{4}$ of 500 = $\underline{\hspace{2cm}}$

d) $\frac{3}{5}$ of 300 = $\underline{\hspace{2cm}}$

b) $\frac{1}{3}$ of 30 = $\underline{\hspace{2cm}}$

e) $\frac{1}{5}$ of 200 = $\underline{\hspace{2cm}}$

c) $\frac{1}{10}$ of 1650 = $\underline{\hspace{2cm}}$

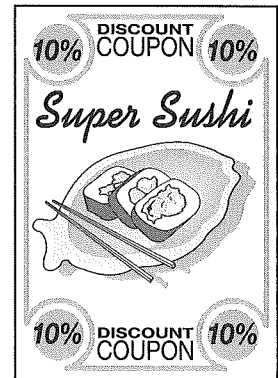
f) $\frac{1}{2}$ of 29 = $\underline{\hspace{2cm}}$

8. Suppose you have a coupon for 10% off a meal.

Calculate the price of each meal.

a) total: \$56.98 $\$56.98 - (10\% \text{ of } \$56.98)$
 $= \$56.98 - \$\underline{\hspace{2cm}}$
 $= \$\underline{\hspace{2cm}}$

b) total: \$19.57 $\$19.57 - (10\% \text{ of } \$19.57)$
 $= \$19.57 - \$\underline{\hspace{2cm}}$
 $= \$\underline{\hspace{2cm}}$



9. Sasha likes to tip 15% on the cost of services.

Estimate the tip on each purchase.

a) hair cut: \$68 $15\% \text{ of } \$68 = (10\% \text{ of } \$68) + (5\% \text{ of } \$68)$
 $\doteq \$\underline{\hspace{2cm}} + \$\underline{\hspace{2cm}}$
 $\doteq \$\underline{\hspace{2cm}}$

b) taxi fare: \$23 $15\% \text{ of } \$23 = (10\% \text{ of } \$23) + (5\% \text{ of } \$23)$
 $\doteq \$\underline{\hspace{2cm}} + \$\underline{\hspace{2cm}}$
 $\doteq \$\underline{\hspace{2cm}}$