

6.2 Fast Food

Focus: rounding, estimating and comparing money amounts

Warm Up

1. Complete the table.

| Fraction | Decimal | Percent |
|------------------|---------|---------|
| a) $\frac{1}{2}$ | | |
| b) | | 25% |
| c) | 0.15 | |

2. Calculate 10% of each amount.

a) \$40
 $10\% \text{ of } \$40 = 0.10 \times \40
 $=$ _____

b) \$8.99

3. Estimate. Then, calculate.

a) \$3.99 + \$4.99

Estimate: _____

Actual: _____

b) \$2.49 + \$3.49

Estimate: _____

Actual: _____

4. A counter attendant starts at a salary of \$16 000 a year. After 1 year, his salary increases by 10%.

a) By how much does his salary increase?

b) What is his new salary?

Do You Want the Combo?

- One day you and a few friends decide to have lunch at a nearby fast food restaurant. Here is part of the menu.

| COMBOS (Burger/Fries/Pop) | | | | | |
|---------------------------|--------|------------------|--------|------------------|--------|
| Single/M/250 mL | | Double/L/500 mL | | Triple/XL/750 mL | |
| \$6.49 | | \$6.99 | | \$7.99 | |
| Burgers | Fries | Pop | | | |
| Single | \$4.29 | Medium (M) | \$1.49 | 250 mL | \$0.99 |
| Double | \$4.89 | Large (L) | \$1.75 | 500 mL | \$1.29 |
| Triple | \$5.49 | Extra Large (XL) | \$1.99 | 750 mL | \$1.49 |

HST is not included.

1. a) What does a double combo contain?

b) What would it cost if each of the 3 items were purchased individually?

c) How much less do you spend if you purchase the double combo?

d) Explain why restaurants offer combos. Don't they lose money?

2. a) Most restaurant food is taxable. What percent tax would be added to any purchases at this restaurant?

_____ %

b) Calculate the tax that would be added to the double combo.

_____ % of \$ _____ = _____ × _____
= _____

c) What is the cost of the double combo after tax?

3. a) If one of your friends ordered the double combo and paid with a \$10 bill, how much change should he receive?

b) Draw or write a combination of bills and/or coins that your friend could expect to receive.

- You do not have to buy a combo.
- You can buy items individually or make your own combo.

| Burgers | | Fries | | Pop | |
|----------------|--------|------------------|--------|------------|--------|
| Single | \$4.29 | Medium (M) | \$1.49 | 250 mL | \$0.99 |
| Double | \$4.89 | Large (L) | \$1.75 | 500 mL | \$1.29 |
| Triple | \$5.49 | Extra Large (XL) | \$1.99 | 750 mL | \$1.49 |

| Other | | | |
|--------------|--------|---------------|--------|
| Small salad | \$1.88 | Milk shake | \$2.99 |
| Large salad | \$2.88 | Coffee or tea | \$1.25 |
| Baked potato | \$1.39 | Water | free |

Tax is not included.

4. Determine the total cost of the following orders. The last row is for an order that you choose.

| Order | Cost Before Tax | HST (___ %) | Total Cost |
|---|--|---|--|
| a) Single burger + 250 mL pop | $\begin{array}{r} \$3.29 \\ + \$0.99 \\ \hline \$4.28 \end{array}$ | $\begin{array}{l} \text{___ \% of } \$4.28 \\ = \text{___} \times \$4.28 \\ = \text{___} \end{array}$ | $\begin{array}{r} \$4.28 \\ + \text{___} \\ \hline \text{___} \end{array}$ |
| b) Large salad + baked potato | | | |
| c) Single burger + Coffee + Small salad | | | |
| d) Double burger + Water | | | |
| e) | | | |

Check Your Understanding

A manager at a fast food restaurant says that 90% of the customers order combos. Explain what this means.