**Lesson 4**

|  |
| --- |
| Topic Goal: Estimation  |

Estimation: - a reasonable guess for a measurement

* an approximation that results from using rounded numbers in a calculation.

|  |
| --- |
| Example(s):  |

a) Estimate the cost of two items selling for $198.00 and $63.50

Therefore the estimated cost is:

 $200 + $65 = $265.00

ANSWER $198 can be rounded to $200

 $ 63.50 can be rounded to $65

b) Estimate the perimeter of an object that has sides: 12cm, 19.6cm and 9cm

Round to easy working numbers. In this instances we round 19.6 to the nearest whole number - 20

ANSWER 10 + 20 + 10 = 40cm

c) Estimate the cost of purchasing one of each item on the flyer below:

Estimation is very handy when you are grocery shopping

 $8 + $2 + $2 + $3 + $6 + $5 + $6 + $6 = 38



|  |
| --- |
|  Practice Questions:  |

1. Estimate the cost of two items selling for $243.00 and $67.59
2. Estimate the cost of three items selling for $29.60, $7.50 and $3.75
3. Estimate the cost two items selling for $23.87 and $14.99
4. Estimate the cost of three items selling for $4.49, $3.89, and $18.77
5. Estimate the perimeter of an object that has sides 7cm, 13.4cm and 16.5cm. (Hint: the perimeter is the distance around the object. To calculate perimeter you add up all the sides)
6. Estimate the perimeter of an object that has sides 3.9m, 21.7m, 12.7m and 45.8m. (Hint: the perimeter is the distance around the object. To calculate perimeter you add up all the sides)
7. Using the map below, estimate the distance between Toronto

and Oshawa

|  |
| --- |
|  Assessment:  |

1. Estimate the cost of two items selling for $112.00 and $38.40
2. Estimate the cost of three items selling for $34.45, $2.47 and $3.94
3. Estimate the cost two items selling for $45.87 and $12.49
4. Estimate the cost of three items selling for $8.40, $2.89, and $19.77
5. Estimate the perimeter of an object that has sides 87cm, 11.4cm and 29.5cm.
6. Estimate the perimeter of an object that has sides 2.6m, 41.3m, 11.9m and 55.8m.

 7. Using the invoice below, estimate the amount owing

