

Names: _____

Date: _____

Learning Goal 3.2

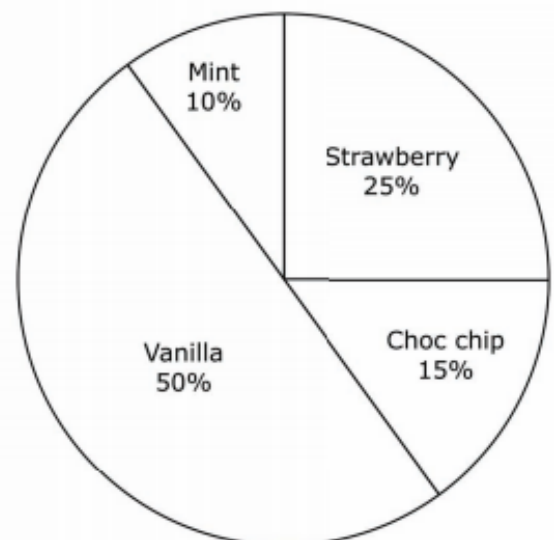
I can calculate the percent of a number and combine percentages.

You are planning to make and sell ice cream cones at the school carnival to earn money for the grade 8 council. Before the council approves your plan, they have requested that you calculate the cost and potential profit for your fundraiser.

**Additional Information you may need:**

- Before buying the ice cream, you survey 60 people to find out what flavours they like. The results of the survey are shown below.
- You think you can sell 300 ice cream cones at the carnival.
- Cones come in packages of 24 and cost \$3.95 per package.
- Ice cream can be purchased in 1 litre tubs. You estimate that 1L is enough to fill about 10 cones.
- The costs of different ice cream flavours is shown below.
- Sales tax must be included in your budget. For groceries in B.C., sales tax is 5%.
- You will be selling ice cream cones for \$3.00 each at the carnival

Flavour	Size of tub	Cost
Vanilla	1 L	\$4.50
Strawberry	1 L	\$5.00
Chocolate Chip	1 L	\$5.00
Mint	1 L	\$5.25

Favourite flavours

Instructions: Please calculate

- a. the total cost and
- b. the potential profit for this fundraiser.

Remember: communication is important – make sure your work is clear, detailed, and easy to understand. Any calculations you perform should also be shown.

Calculate the total cost and the potential profit.