**3.8: Solving Percent Problems**



**1.** Calculate.

**a)** 10% of 78 **b)** 15% of 60 **c)** 20% of 120 **d)** 65% of 84



**2.** Ms. Leitch has 27 students in her class.

About 30% of the students in Ms. Leitch’s class enjoy playing soccer.

**a)** About how many students enjoy playing soccer?



**b)** The school has a total of 539 students.   
 Assume 30% of all students in the school enjoy playing soccer.

About what percent of the school’s population enjoys playing soccer?



**3.** The regular price of a skateboard is $74.99.

Find the **sale price** before taxes when the skateboard is on sale for:

**a)** 30% off **b)** 25% off **c)** 60% off **d)** 50% off



**4.** Find the tip left by each customer at a restaurant.  
**a)** Wally: 15% of $25.73 **b)** Alyssa: 10% of $48.22

**5.** The Goods and Services tax (GST) is currently 6%.

For each item below:

**i)** Find the GST.

**ii)** Find the cost of the item including GST.

**a)** package of 5 mechanical pencils: $4.49



**b)** backpack: $29.99

**c)** box of golf balls: $32.49