11.2 Warm Up

1. Sometimes we survey only a small number of people when we need information about the whole group. Give 1 reason why surveying everyone might be difficult.

_____

2. Fill in the blanks with "more" or "less."

The _____ people who are surveyed, the _____
      (*more* or *less*)   (*more* or *less*)
accurate the results will be.

3. Evaluate.

    a) 10% of a group of 350   **b)** 25% of a group of 788

          10% of 350

          $= 0.1 \times 350$

                    To change a percent to a decimal, divide by 100.

          $= $ _____

4. Calculate the percent of the population each situation represents.

    a) 12 out of a population of 240 people

        $\dfrac{12}{240} = $ _____   ← decimal

            $= $ _____   ← percent

      This is _____% of the population.

    b) 90 out of a population of 450 people

      This is _____% of the population.

5. Starting at 1, list every seventh number between 1 and 100.

_____