

11.3 Warm Up

1. Explain what probability means by using a weather forecast.
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2. Find the probability. Write your answer as a fraction, a decimal, and a percent.

a) choosing a heart from a full deck of cards

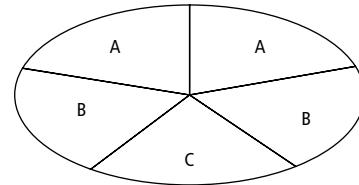
$$P(\text{hearts}) = \frac{\text{number of favourable outcomes}}{\text{total number of outcomes}}$$

$$= \frac{\boxed{}}{52}$$

$$= \underline{\hspace{2cm}} \leftarrow \text{decimal } (13 \div 52)$$

$$= \underline{\hspace{2cm}} \leftarrow \text{percent (multiply by 100)}$$

b) spinning a B on the spinner



3. Find the mean, median, and mode of each set of data.

a) 13, 10, 9, 13, 8

$$\text{Mean} = \frac{\text{sum of items}}{\text{number of items}}$$

Median:

Write the numbers in order:

8, 9, _____, 13, 13

The median is _____

The mode is _____

b) 111, 132, 100, 123, 111, 100

Mean:

Median:

Add the two middle numbers and divide by 2.

Mode: