Monday

For all positive integers, let n = n + g, where g is the greatest factor of n, and g < n. If $\lceil 18 \rceil = x$, then $\lceil x \rceil =$

- A 9.
- B 8.
- © 27.
- D 36.

Tuesday

CRITICAL THINKING The members of the Math Club need to elect a president and a vice-president. They determine that there are a total of 272 ways that they can fill the positions with two different members. How many people are in the Math Club?

Wednesday

A number is chosen at random from the set {1, 2, 3, ...20}. What is the probability that the number is odd and divisible by 3?

- $\triangle \frac{3}{20}$
- (B) $\frac{3}{10}$
- © $\frac{7}{20}$
- ① $\frac{13}{20}$

Thursday

Concept Summary

• Margin of sampling error: $ME = 2\sqrt{\frac{p(1-p)}{n}}$ if the percent of people in a sample responding in a certain way is p and the size of the sample is n

In a survey taken at a local high school, 75% of the student body stated that they thought school lunches should be free. This survey had a margin of error of 2%. How many people were surveyed?

Friday

The utility bills in a city of 5000 households are normally distributed with a mean of \$180 and a standard deviation of \$16. See Example 2 on pages 672 and 673.

About how many utility bills were between \$164 and \$196?