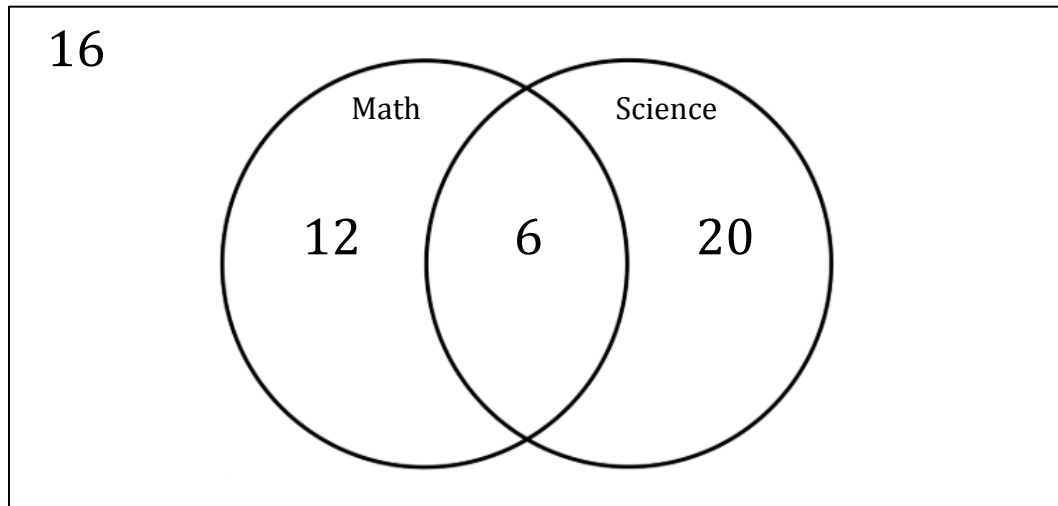


16.1-16.3 Review Activity

0.408

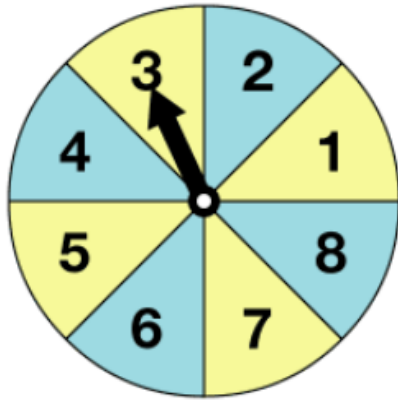


According to the venn diagram above, if a student is chosen a random from this population, what is the probability that they study math or science?

$$\frac{19}{27}$$

In a certain experiment, there are 4 possible outcomes, A, B, C, or D. If the probability of A occurring is $\frac{2}{15}$, the probability of B occurring is $\frac{6}{25}$, and the probability of C occurring is $\frac{3}{10}$, what is $P(D)$?

$$\frac{49}{150}$$



In a certain game, you win if you spin a number divisible by three on the spinner above, roll 5 on a standard 6-sided die, and flip a tails on a fair coin. What is the probability of winning this game?

$$\frac{1}{48}$$

Two 10-sided dice are rolled. What is the probability that the sum of these dice sums to a value greater than 15?

$$\frac{3}{20}$$

After trick-or-treating, you got home and counted your candy. You realize of the 52 pieces of candy you collected, only 4 of them are Twix (your favorite). You tell your sister that she can have four pieces of candy, but she can't look when she is picking them out of the bag. If she chooses four pieces (without putting them back), what is the probability she picks all four Twix?

$$\frac{1}{270725}$$

	Not on Honor Roll	Honor Roll
Sports	125	50
Not on Sports	175	75

A = "student is on the honor roll"

B = "student plays sports"

Given the table above, what is $P(B|A)$?

**Are the two events A and B independent?

$$\frac{2}{5}$$

A coin is flipped 6 times. What is the probability of getting “tails” exactly 2 times?

$$\frac{15}{64}$$

The percentage of women in a large population is 55%. If three people are picked at random, what is the probability that exactly 2 women will be chosen?