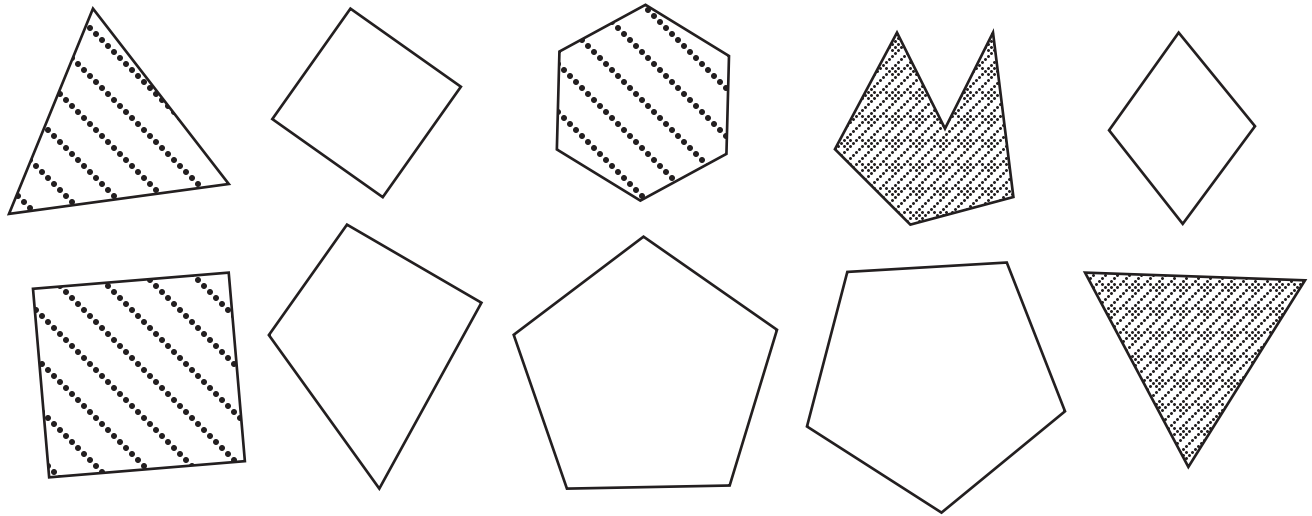


COUNTDOWN Challenge

Probability Formula

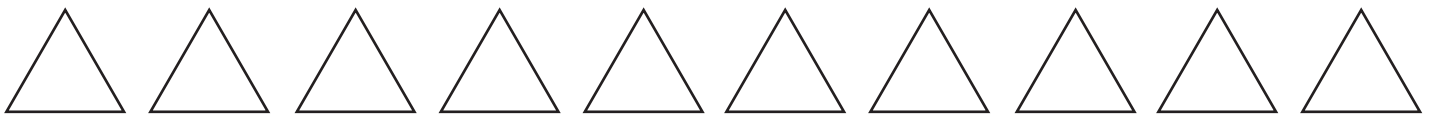


Study the polygons pictured above. Use this probability formula to calculate each probability on the chart below.

$$p = \frac{\text{favorable outcomes}}{\text{total outcomes}}$$

Polygon	Fraction	Decimal	Percent
Dotted-line polygon	3/10	.3	30%
Regular polygon	—	—	—
Gray polygon	—	—	—
Polygon with more than 4 sides	—	—	—
Quadrilateral	—	—	—

Using the fraction column of the table below, color the following polygons to make the probabilities true. Then complete the table.



Polygon	Fraction	Decimal	Percent
Dotted-line polygon	1/10	—	—
Regular polygon	2/10	—	—
Gray polygon	3/10	—	—
Polygon with more than 4 sides	—/10	—	—
Sum	—	—	—