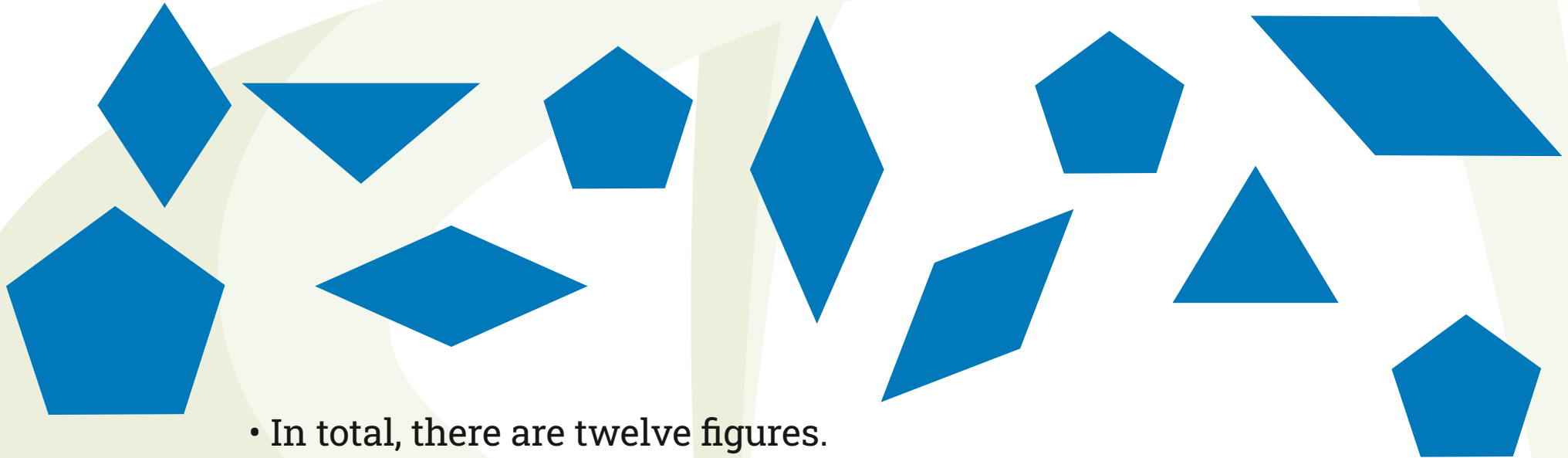


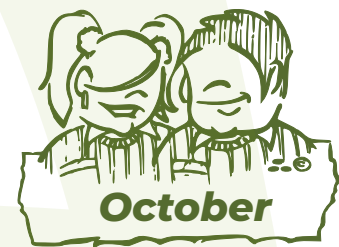
Which of the following propositions correctly describes the illustration?



- In total, there are twelve figures.
- There are two more rhombuses than pentagons.
- The number of pentagons is half the number of rhombuses.
- There are twice as many pentagons as triangles.
- In total, there are ten figures with more than three sides.

Primary Monthly Problem

Alejandro's Birthday



Alejandro is having his birthday and his four best friends want to celebrate with him and invite him to lunch. After eating, they want to take a souvenir photo and they all agree that they should stand in a row, two to the right and two to the left of Alejandro, that is, Alejandro should be in the center.

If his four friends are named Bernardo, Diego, Emilio and Francisco, how many different ways is it possible to take the picture?

Secondary Monthly Problem

Square



ABCD square of side 12 cm.
With diameter AB a semicircle is
drawn inside the square.

\overline{CE} is tangent to the semicircle at F.
Determine the ratio of the area of the
triangle $\triangle CDE$ to the area of the
trapezoid ABCE.

