

Name: Answer Key

Date: _____

AzMerit Practice Homework #24

1. An expression is shown.

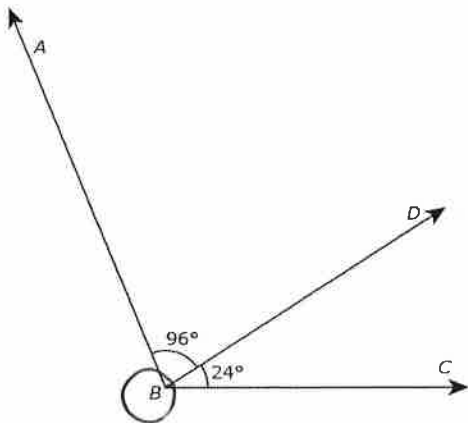
$$\frac{5}{10} + \frac{13}{100}$$
$$\frac{50}{100} + \frac{13}{100} = \frac{63}{100}$$

What is the value of the expression?

You can't add two fractions with different denominators.

$$\frac{5}{10} \times \frac{10}{10} = \frac{50}{100}$$

2. Angle B is divided into the two smaller angles shown. What is the measure of angle B?



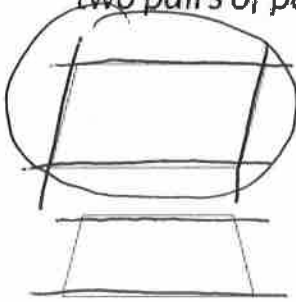
Angle B is both angles put together.

$$\begin{array}{r} 96^\circ \\ + 24^\circ \\ \hline 120^\circ \end{array}$$

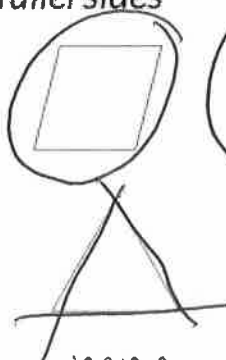
3

Which of the shapes below fit the description:

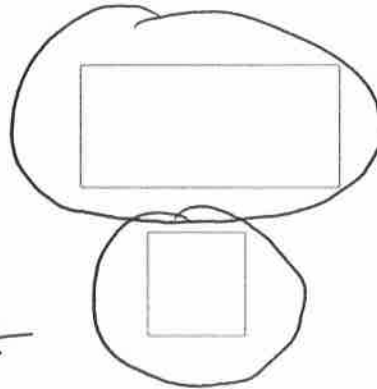
two pairs of parallel sides



only has 1 pair

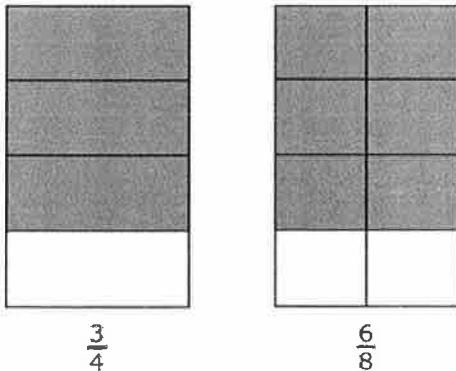


none



parallel: two lines that never intersect

4. Two models are shown. Each model has been shaded gray to represent a fraction.



Which statement is true about the fractions $\frac{3}{4}$ and $\frac{6}{8}$?

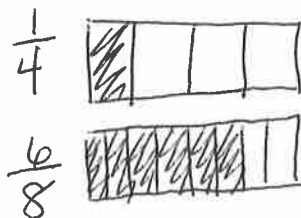
- A. They are equivalent because each model is divided into equal parts.
- ~~B. They are not equivalent because the number of shaded parts in each model is different.~~
- C. They are equivalent because the size of the areas shaded gray in both models is the same.
- ~~D. They are not equivalent because the models are divided into different numbers of equal parts.~~

5. Mr. Garcia asks his students to find a fraction that meets these conditions.

- The fraction is greater than $\frac{1}{4}$.
- That fraction is less than $\frac{6}{8}$.

Create a fraction that meets Mr. Garcia's conditions.

_____ Multiple correct answers.
 Drawing pictures can help!



Find a fraction in between these two.