

Topic Quiz **B**

Name _____

1. Match each tape diagram with the fraction that represents its shaded part. Each tape diagram represents 1 whole.



$$\frac{2}{4}$$



$$\frac{2}{3}$$



$$\frac{5}{8}$$



$$\frac{5}{6}$$

2. Shade the first fractional unit in each tape diagram. Then use the tape diagrams to decide whether each statement is true or false. Each tape diagram represents 1 whole.



$\frac{1}{3}$ is less than $\frac{1}{6}$.

True

False

$\frac{1}{8}$ is greater than $\frac{1}{6}$.

True

False

$\frac{1}{4}$ is less than $\frac{1}{3}$.

True

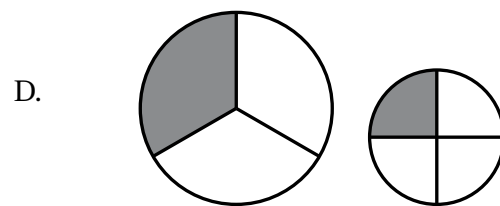
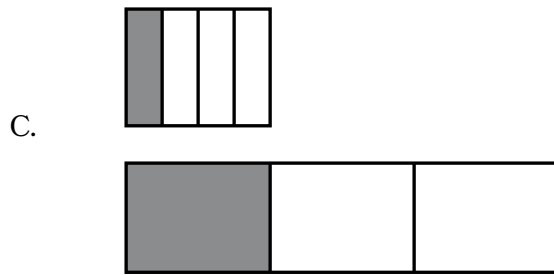
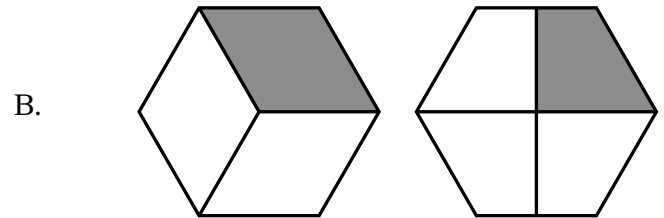
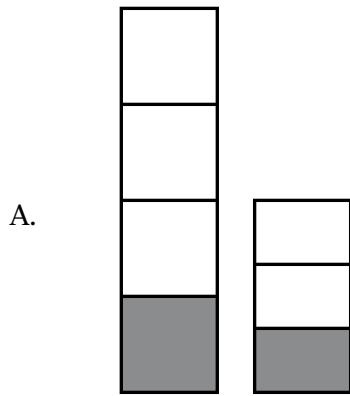
False

3. Jayla colors $\frac{3}{4}$ of a piece of paper red. Partition and shade the rectangle to show how much of the paper Jayla colors.



4. Casey wants to show David that $\frac{1}{4}$ is less than $\frac{1}{3}$.

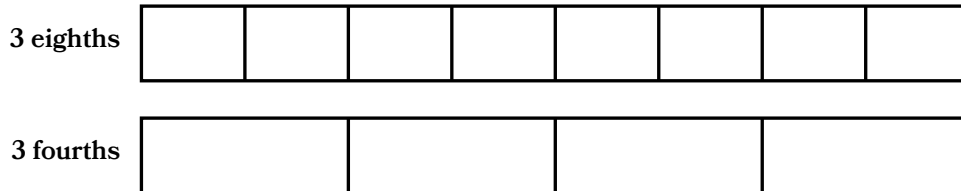
Which image should Casey use to show the comparison?



5. Adam wants to compare 3 eighths and 3 fourths.

Part A

Shade the tape diagrams to represent the given fractions.



Part B

Circle an answer choice from the list to make the statement true.

3 eighths is _____ 3 fourths.

greater than

less than

6. Pablo eats $\frac{2}{8}$ of a large pizza. Robin eats $\frac{2}{8}$ of a small pizza. Pablo says that he and Robin each ate the same amount of pizza. Is Pablo correct?

Circle an answer choice from each list to make the statement true.

Pablo is (A) because (B).

A

correct

not correct

B

the pizzas are not the
same size

they both ate two eighths
of a pizza
