ESTAR INTERVENTION

Tier 2 Mathematics Intervention

Module: *Fraction Models (FM)*

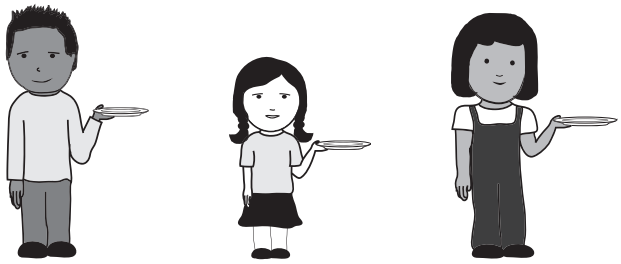
Form B Assessment

Name _____

Date _____

Teacher _____

1.) Find the equal share using fraction bars when 3 friends share 1 chocolate bar equally. Choose the answer that shows the equal share.

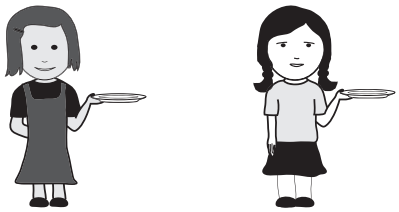


A one-third of the chocolate bar
B two-halves of the chocolate bar
C one whole chocolate bar
D three chocolate bars

2.) Choose the sharing situation that would have an equal share of one-fourth of a cake.

A 4 friends share 1 cake equally
B 2 friends share 1 cake equally
C 8 friends share 1 cake equally
D 1 friend eats 8 cakes

3.) Find the equal share using fraction bars when 2 friends share 1 stick of gum equally. Choose the answer that shows the equal share.



A two-thirds of a piece of gum
B one-half of a piece of gum
C one whole piece of gum
D one-third of a piece of gum

4.) Choose the equal share when 5 people share 1 cupcake.

A 5 cupcakes
B one-fifth of a cupcake
C two-fifths of a cupcake
D 1 cupcake

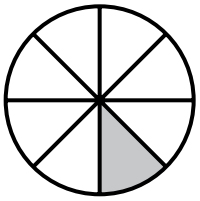
5.) Find the equal share using the rectangle provided when 3 monkeys share 1 banana. Choose the answer that shows the equal share.

A one-third of a banana
B three bananas
C one whole banana
D one-sixth of a banana

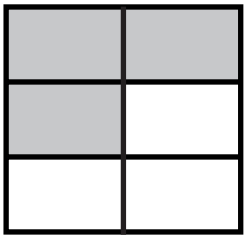
Choose the letter that shows the equal share.

6.) 7 friends share 1 cake equally.

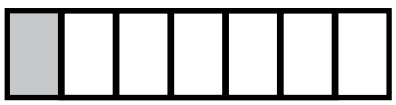
A



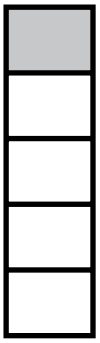
C



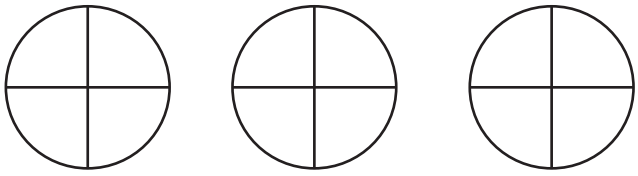
B

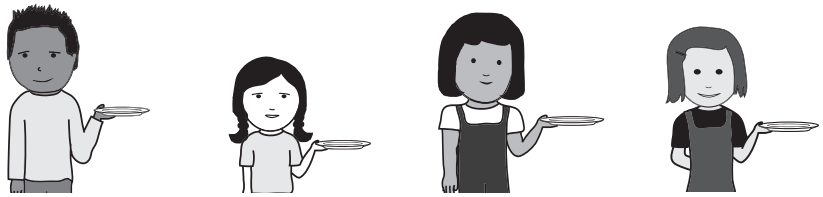


D



7.) Using the picture provided, find the equal share when 4 people share 3 pies equally. Choose the answer that shows the equal share.



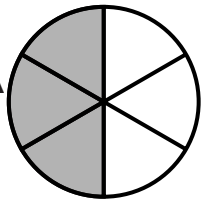


A three-fourths of a pie
B one-third of a pie
C one whole pie
D three-thirds of a pie

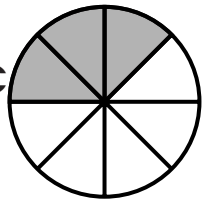
Choose the equal share.

8.) 8 people share 2 giant cookies.

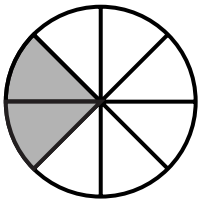
A



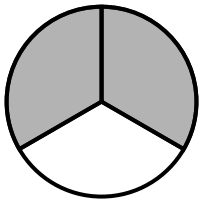
C



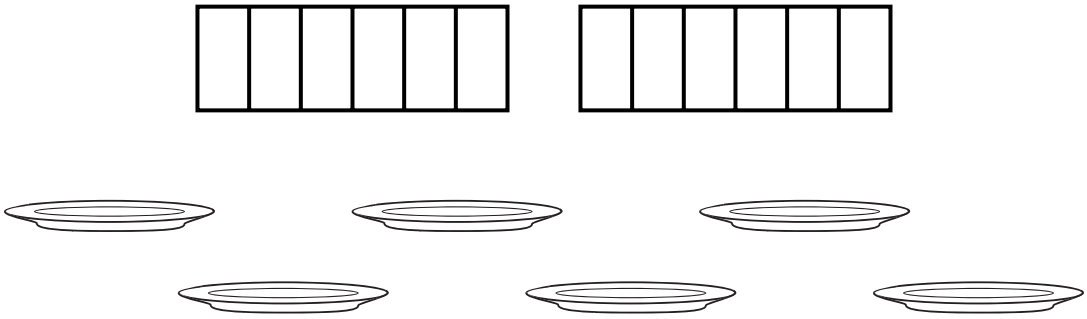
B



D



9.) Find the equal share when 6 people share 2 sandwiches equally. Choose the answer that shows how much each person will receive.



A six-sixths of the sandwiches
B one-fourth of the sandwiches
C half of the sandwiches
D two-sixths of the sandwiches

Choose the equal share.

10.) 8 workers share 4 sandwiches equally.

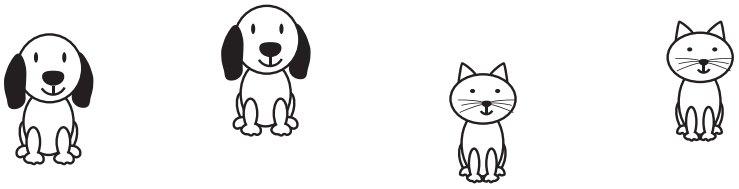
A

B

C

D

11.) Choose the answer that shows the fraction of how many of the total animals are puppies.



A $\frac{3}{3}$ of the animals are puppies

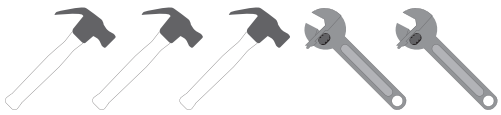
B $\frac{2}{3}$ of the animals are puppies

C $\frac{1}{3}$ of the animals are puppies

D $\frac{2}{4}$ of the animals are puppies

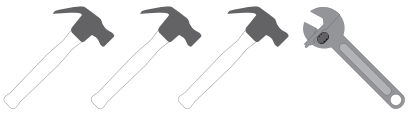
12.) Choose the picture that shows $\frac{1}{4}$ of the tools are hammers.

A



C

B

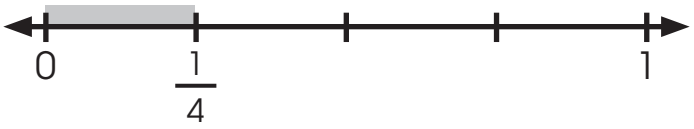


D

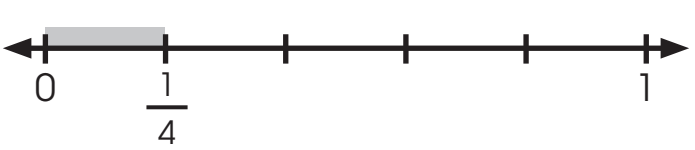
Locate and label the fraction on the number line.

13.) 4 friends share 1 foot of rope equally. Choose the answer that correctly shows the equal share on the number line.

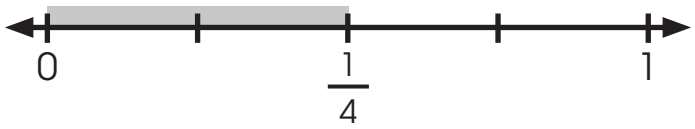
A



B



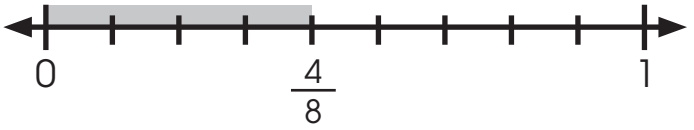
C



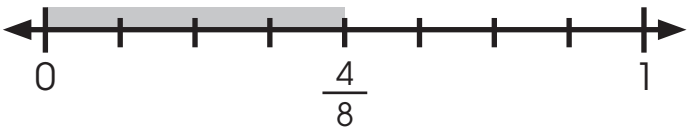
D

14.) 8 students share 4 sandwiches equally. Choose the answer that correctly shows the equal share on the number line.

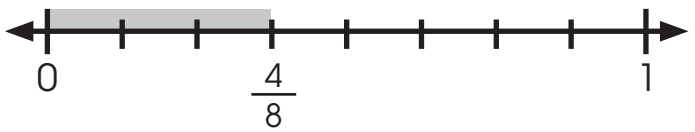
A



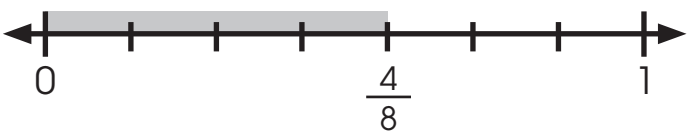
B



C



D

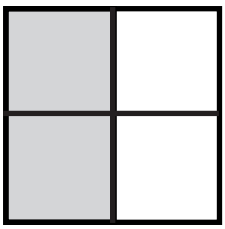


15.) Choose the answer that shows the fraction equal to 1 whole?

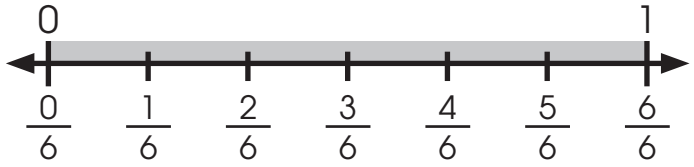
A $\frac{2}{2}$ **B** $\frac{3}{4}$ **C** $\frac{1}{4}$ **D** $\frac{2}{4}$

16.) Choose the model that does **not** show 1 whole.

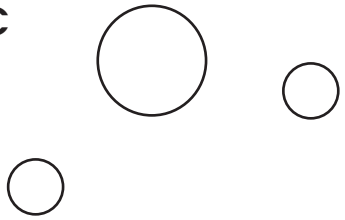
A



B

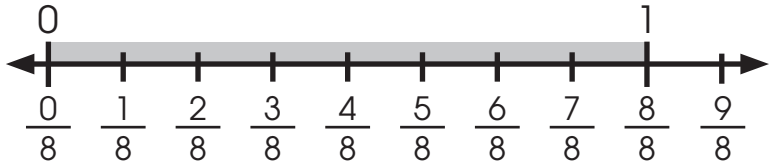


C



$\frac{3}{3}$ are circles

D



17.) Choose the correct statement that shows the fraction for the model.

A $\frac{6}{6}$ **B** $\frac{8}{6}$ **C** $\frac{8}{8}$ **D** $\frac{6}{8}$

18.) Choose the fraction that has 3 in the numerator.

A $\frac{2}{4}$ **B** $\frac{4}{8}$ **C** $\frac{3}{6}$ **D** $\frac{1}{4}$

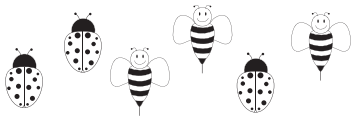
19.) Choose the model that shows $\frac{5}{6}$.

A

C

B

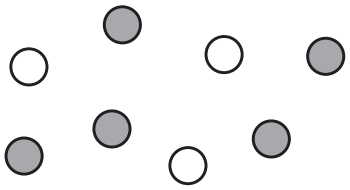
D



20.) Choose the model that does **not** show $\frac{5}{8}$.

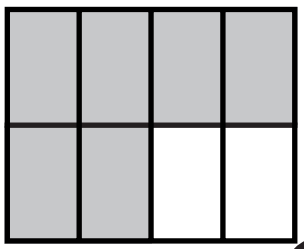
A

C



B

D



21.) Choose the answer that shows an equivalent equal share for 8 people sharing 4 granola bars.

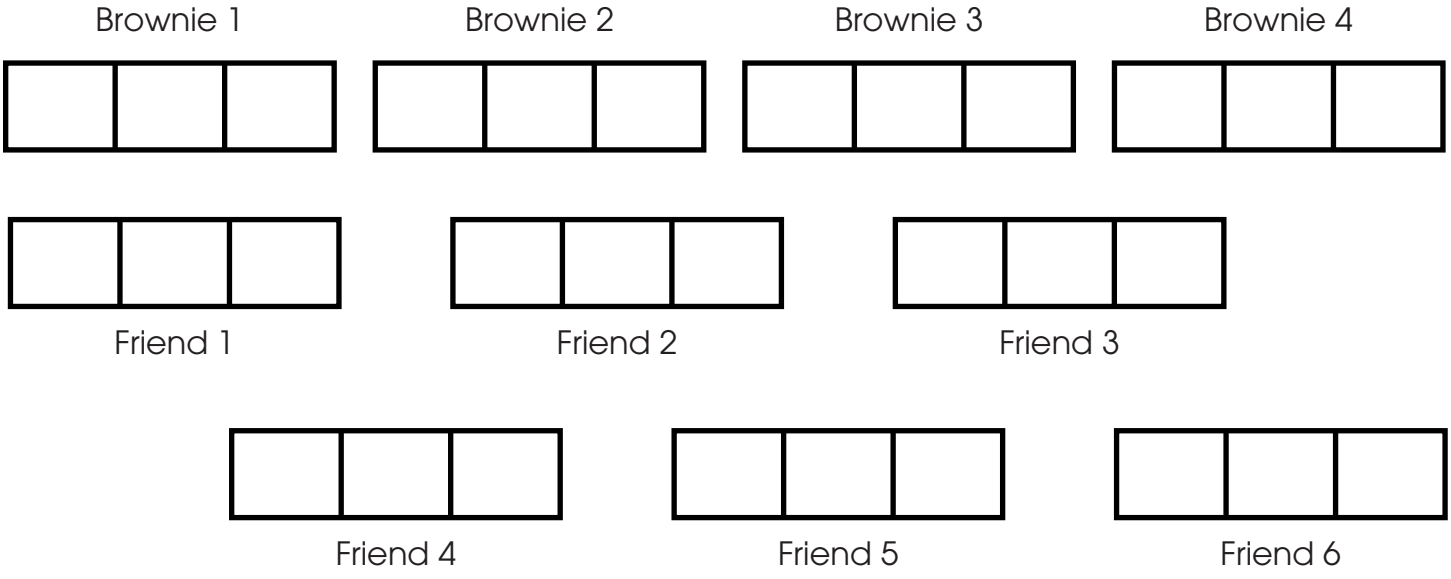
A

C

B

D

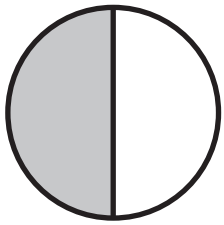
22.) 6 friends equally share 4 brownies another way. What is another way for 6 friends to equally share 4 brownies?



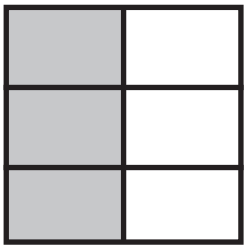
A two-sixths
B one-third
C two-thirds
D two-sixths

23.) Choose the model that is **not** equivalent to $\frac{1}{2}$.

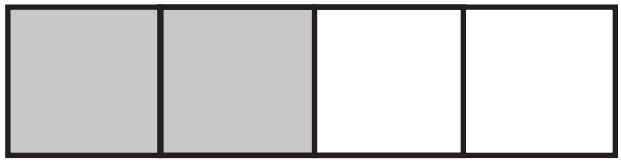
A



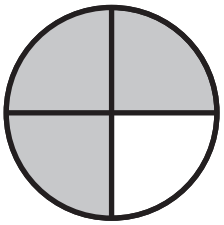
C



B



D



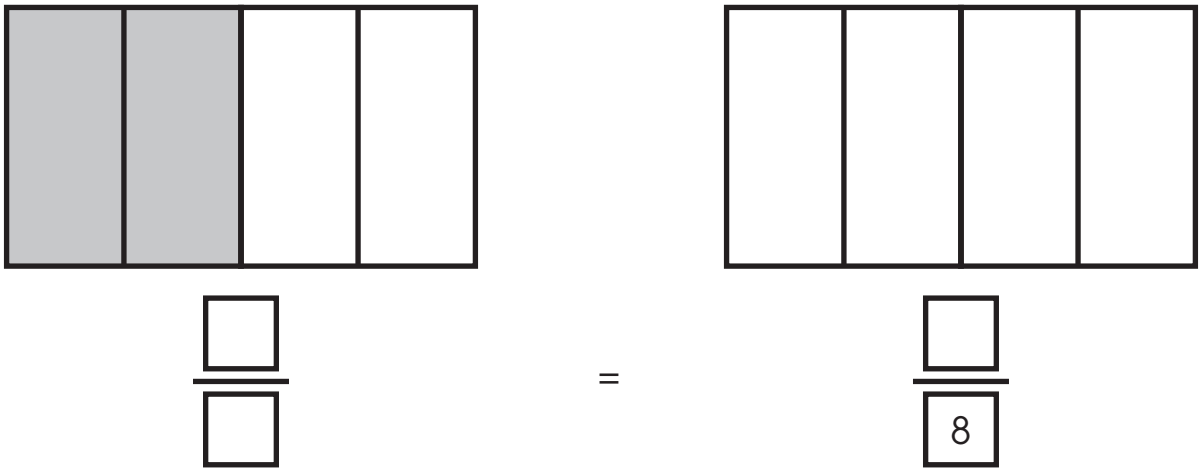
Shade the shapes below to support your answer.

24.) What fraction is equivalent to $\frac{1}{3}$?

A $\frac{2}{3}$ **B** $\frac{1}{6}$ **C** $\frac{2}{6}$ **D** $\frac{5}{7}$

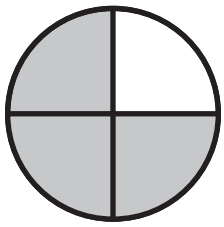
Choose the fraction equivalent to the fraction shown by the area model.

25.)

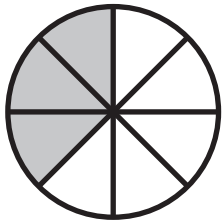


A $\frac{1}{2}$ **B** $\frac{3}{2}$ **C** $\frac{3}{4}$ **D** $\frac{4}{8}$

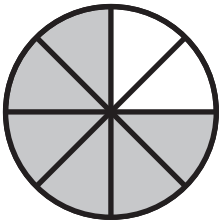
26.) Choose the model that shows a fraction equivalent to $\frac{3}{4}$ of the pie, shown by the model below.



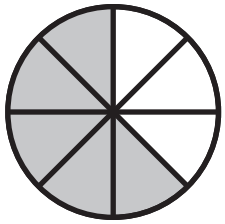
A



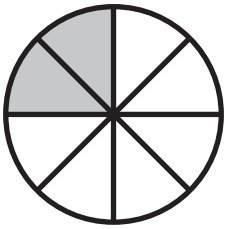
C



B



D



27.) The length of Lucca's pencil eraser is $\frac{4}{8}$ of a centimeter. What other fraction represents this length?

A $\frac{1}{3}$ **B** $\frac{1}{2}$ **C** $\frac{2}{6}$ **D** $\frac{3}{4}$

28.) The average rainfall in September is $\frac{2}{4}$ of an inch. How many eighths is this?

$$\frac{2}{4} = \frac{\square}{8} \text{ of an inch}$$

A $\frac{2}{4} = \frac{4}{8}$

B $\frac{2}{4} = \frac{3}{8}$

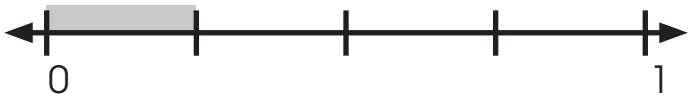
C $\frac{2}{4} = \frac{6}{8}$

D $\frac{2}{4} = \frac{1}{8}$

29.) Choose the number line that shows a fraction equivalent to $\frac{2}{3}$.

A

B



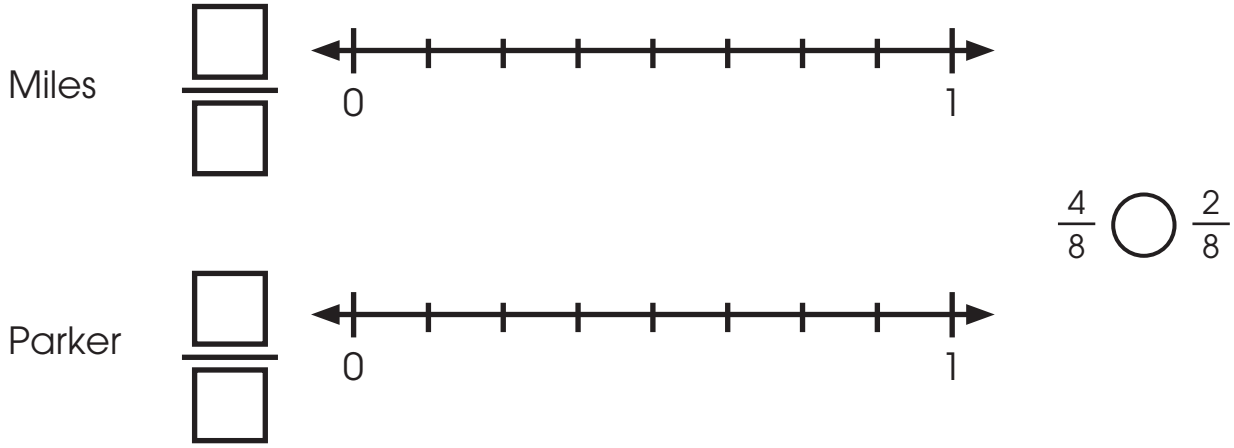
C

D

30.) As the denominator gets _____ the size of the parts get _____ .

A smaller, smaller
B smaller, larger
C larger, smaller
D larger, larger

31.) Miles grew $\frac{4}{8}$ of an inch this year. His friend Parker grew $\frac{2}{8}$ of an inch. Did Miles grow more or less than Parker?



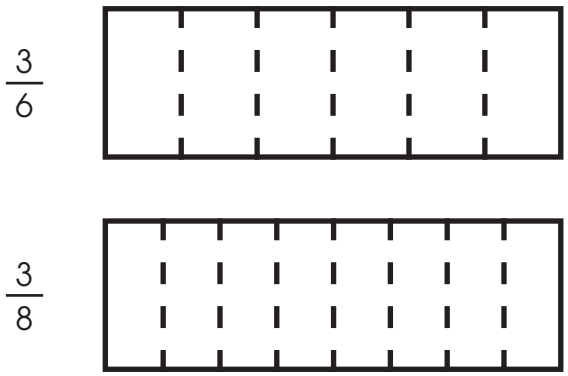
A Parker grew less than Miles.
B Miles grew the same as Parker.
C Miles grew more than Parker.
D Miles grew less than Parker.

32.) Choose the fraction that is greater than $\frac{5}{6}$.

A $\frac{4}{6}$
B $\frac{2}{6}$
C $\frac{3}{6}$
D $\frac{7}{6}$

33.) Choose the correct symbol to compare $\frac{3}{6}$ and $\frac{3}{8}$.

$\frac{3}{6}$ ◯ $\frac{3}{8}$



A >
B <
C =
D no symbol needed.

34.) Choose the letter that does NOT show the fractions compared correctly. Remember < means "less than" and > means "greater than".

A $\frac{3}{8} > \frac{2}{8}$

B $\frac{2}{3} > \frac{2}{6}$

C $\frac{3}{5} > \frac{3}{4}$

D $\frac{5}{8} < \frac{5}{6}$

35.) Use the number lines to compare $\frac{2}{3}$ and $\frac{2}{4}$.

$\frac{2}{3} \bigcirc \frac{2}{4}$

A $\frac{2}{3} = \frac{2}{4}$

B $\frac{2}{3} < \frac{2}{4}$

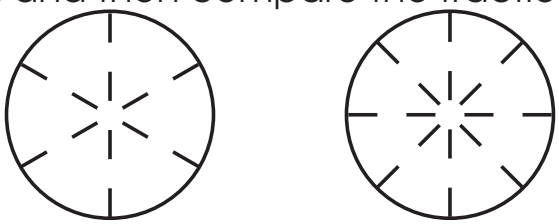
C $\frac{2}{4} > \frac{2}{3}$

D $\frac{2}{3} > \frac{2}{4}$

36.) Choose the fraction that is **greater than** $\frac{6}{7}$.

A $\frac{7}{7}$ **B** $\frac{2}{7}$ **C** $\frac{4}{7}$ **D** $\frac{5}{7}$

37.) Shade the models and then compare the fractions.



$\frac{3}{6} \bigcirc \frac{3}{8}$

A $\frac{3}{8} > \frac{3}{6}$

B $\frac{3}{6} = \frac{3}{8}$

C $\frac{3}{6} > \frac{3}{8}$

D $\frac{3}{6} < \frac{3}{8}$

38.) If the wholes are the same size, $\frac{2}{8}$ and $\frac{1}{4}$ _____.

A have different sizes of parts in the whole.
B have the same number of shaded parts.
C have the different amounts shaded.
D have different wholes.

39.) Use your ruler and choose the letter of the rectangle that is $3\frac{1}{2}$ inches wide.

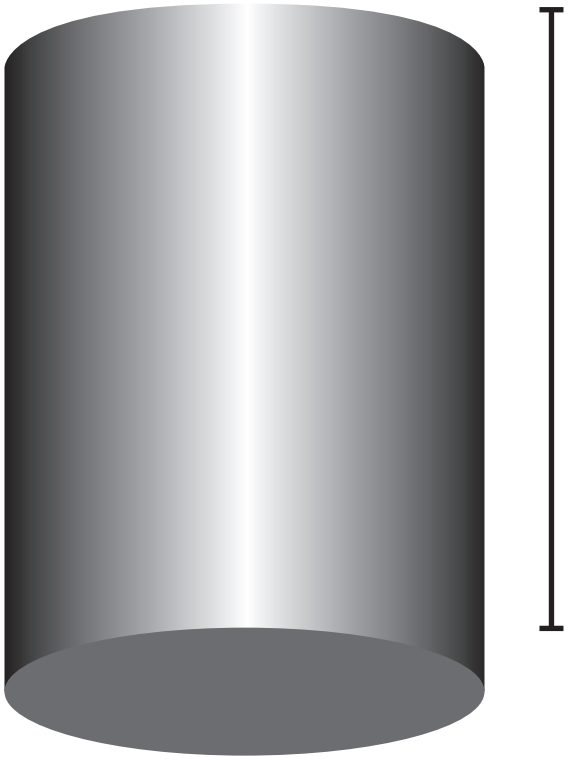
A

B

C

D

40.) Below is the height of a cylinder shaded on a ruler. What is the height of the cylinder?



What whole numbers is the height between? 3 and 4.

There are 8 equal parts between each whole number.

Each part between the whole numbers represents $\frac{1}{8}$.

How many marks past 3 is the measurement? 3 marks.

A $3\frac{3}{8}$ inches

B $4\frac{3}{8}$ inches

C 4 inches

D $3\frac{1}{2}$ inches