☆ESTAR
INTERVENTION

Tier 2 Mathematics Intervention

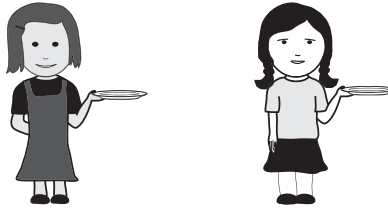## Module: *Fraction Models (FM)*

Form A Assessment

Name _____

Date _____

Teacher _____

1.) Find the equal share using fraction bars when 2 friends share 1 chocolate bar equally. Choose the answer that shows the equal share.

    A one-half of the chocolate bar

    B two-halves of the chocolate bar

    C one whole chocolate bar

    D two chocolate bars

2.) Choose the sharing situation that would have an equal share of one-eighth 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 3 friends share 1 stick of gum equally. Choose the answer that shows the equal share.
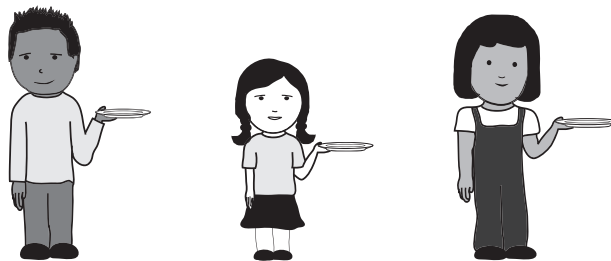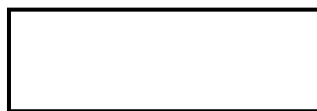

    A two-thirds of a piece of gum

    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 3 people share 1 cupcake.

    A 3 cupcakes

    B one-third of a cupcake

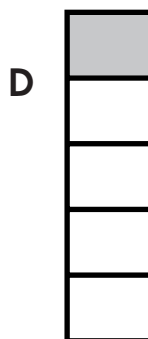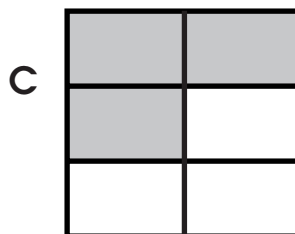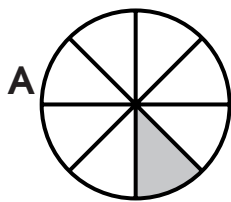   **C** two-thirds of a cupcake

    D 1 cupcake

5.) Find the equal share using the rectangle provided when 4 monkeys share 1 banana. Choose the answer that shows the equal share.

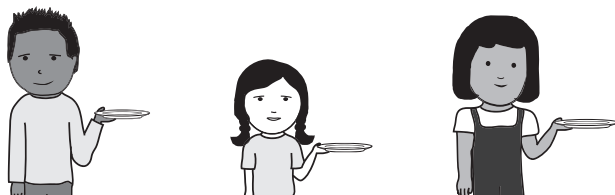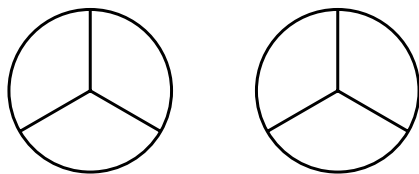   **A** one-fourth of a banana

    B four bananas

    C one whole banana

    D one-third of a banana

Choose the letter that shows the equal share.

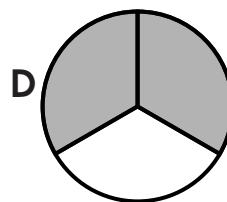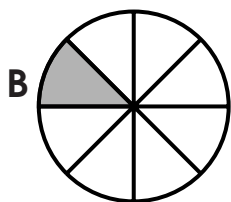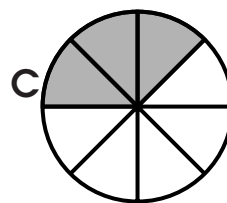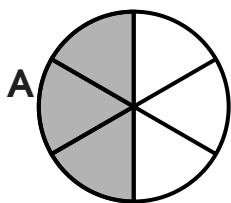**6.)** 6 friends share 1 cake equally.

7.) Using the picture provided, find the equal share when 3 people share 2 pies equally. Choose the answer that shows the equal share.

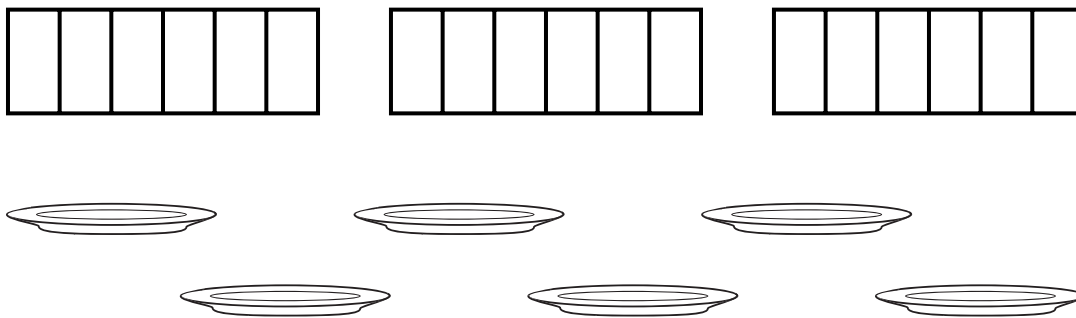**A** two-thirds of a pie

B one-third of a pie

C one whole pie

D three-thirds of a pie

Choose the equal share.

8.) 8 people share 3 giant cookies.
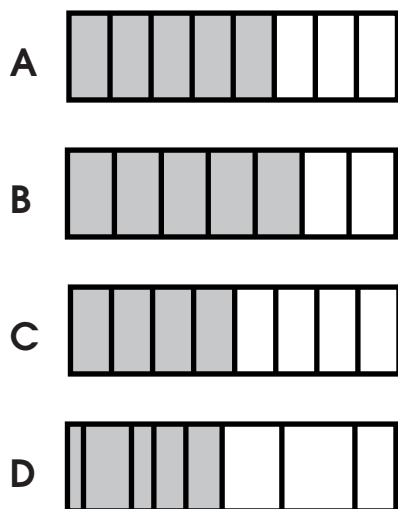
9.) Find the equal share when 6 people share 3 sandwiches equally. Choose the answer that shows how much each person will receive.

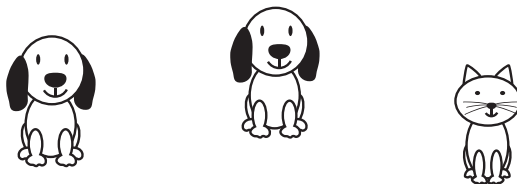**A** six-sixths of the sandwiches

B one-fourth of the sandwich

C six-thirds of the sandwiches

D three-sixths of the sandwiches

Choose the equal share.

10.) 8 workers share 5 sandwiches equally.
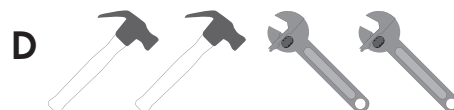
A

B

C

D

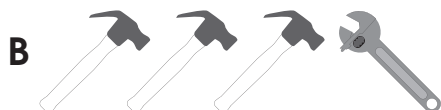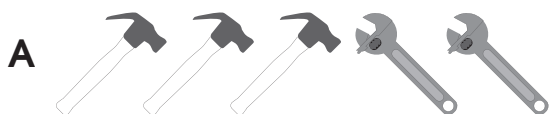**11.)** Choose the answer that shows the fraction of how many of the total animals are puppies.

**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 $\frac{3}{4}$ of the tools are hammers.
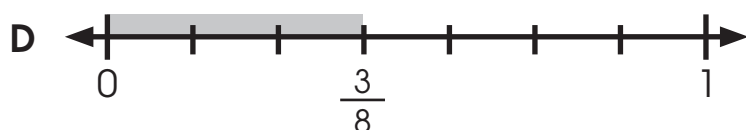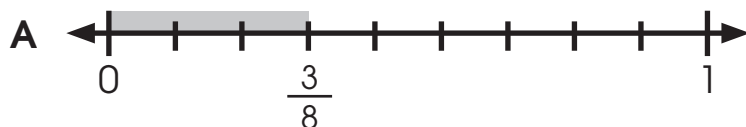
A   **C**

B   **D**

Locate and label the fraction on the number line.

13.) 4 friends share 2 feet of rope equally. Choose the answer that correctly shows the equal share on the number line.

A

0    $\frac{2}{4}$ 1

B

0              $\frac{2}{4}$ 1

C

0              $\frac{2}{4}$ 1

D

0                      $\frac{2}{4}$ 1
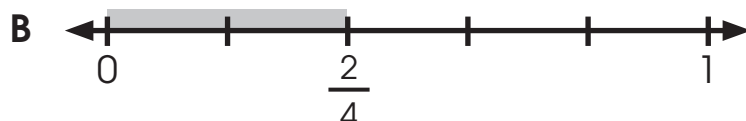
14.) 8 students share 3 sandwiches equally. Choose the answer that correctly shows the equal share on the number line.

A

0          $\frac{3}{8}$ 1

B

0          $\frac{3}{8}$ 1

C

0                  $\frac{3}{8}$ 1

D

0              $\frac{3}{8}$ 1

15.) Choose the answer that shows the fraction equal to 1 whole?
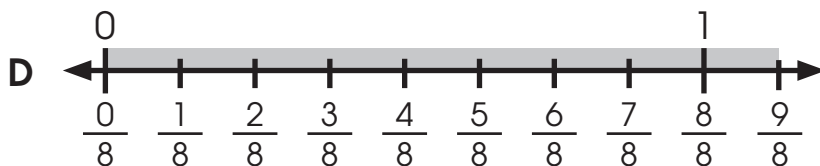
A $\frac{4}{4}$　　　　　　　　**B** $\frac{3}{4}$　　　　　　　　**C** $\frac{1}{4}$　　　　　　　　**D** $\frac{2}{4}$

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

A

B

$$\frac{0}{6} \quad \frac{1}{6} \quad \frac{2}{6} \quad \frac{3}{6} \quad \frac{4}{6} \quad \frac{5}{6} \quad \frac{6}{6}$$

C

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

D

$$\frac{0}{8} \quad \frac{1}{8} \quad \frac{2}{8} \quad \frac{3}{8} \quad \frac{4}{8} \quad \frac{5}{8} \quad \frac{6}{8} \quad \frac{7}{8} \quad \frac{8}{8} \quad \frac{9}{8}$$
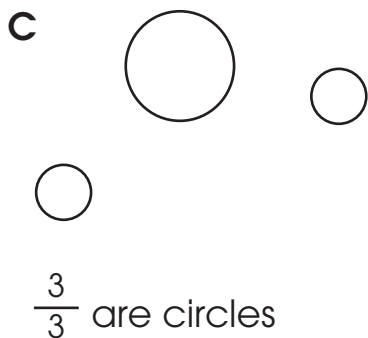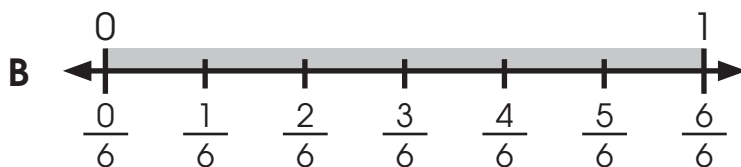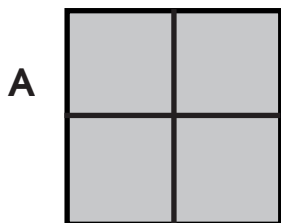
17.) Choose the correct statement that shows the fraction for the model.

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

18.) Choose the fraction that has 4 in the numerator.
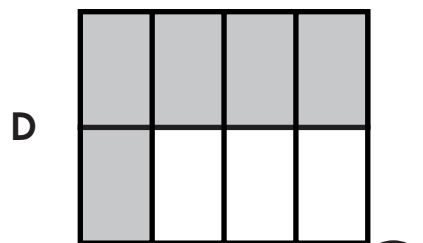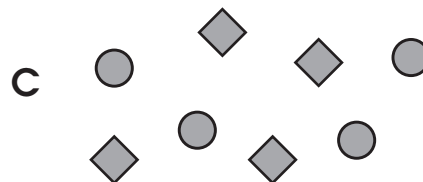
A $\frac{2}{4}$ **B** $\frac{4}{8}$ **C** $\frac{3}{6}$ **D** $\frac{1}{4}$

19.) Choose the model that shows $\frac{2}{6}$.

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 6 people sharing 4 granola bars.

A

C

B

D

22.) 6 friends equally share 2 brownies another way. What is another way for 6 friends to equally share 2 brownies?
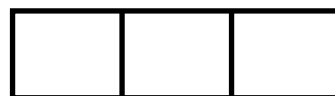
Brownie 1
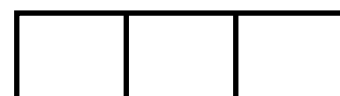
Brownie 2
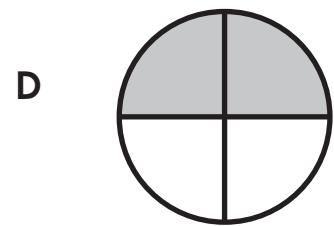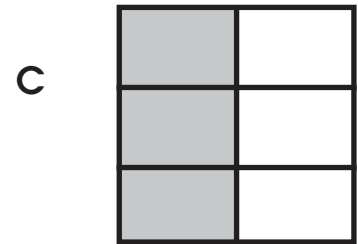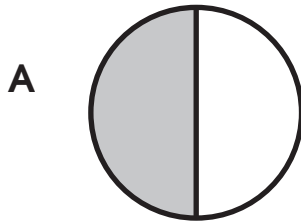
Friend 1

Friend 2

Friend 3

Friend 4

Friend 5

Friend 6

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 $\frac{1}{2}$?

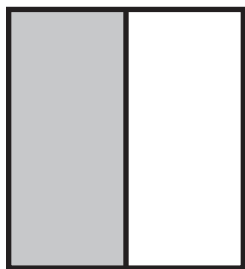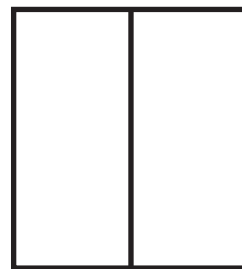A $\frac{2}{3}$ 　　　　　 B $\frac{1}{6}$ 　　　　　 C $\frac{4}{8}$ 　　　　　 D $\frac{5}{7}$

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

25.)

$$\frac{\square}{\square} = \frac{\square}{4}$$
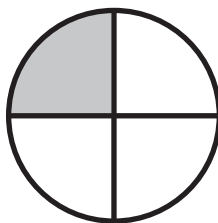
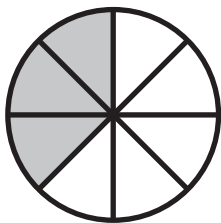**A** $\frac{1}{2}$ **B** $\frac{3}{2}$ **C** $\frac{3}{4}$ **D** $\frac{2}{4}$
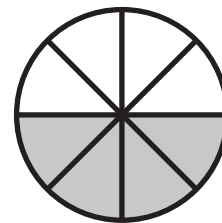
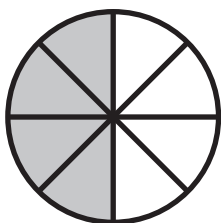**26.)** Choose the model that shows a fraction equivalent to $\frac{1}{4}$ of the pie, shown by the model below.

A

C

B

D
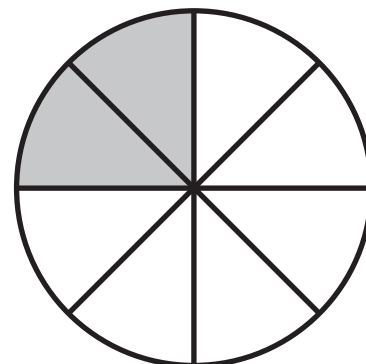
27.) The length of Lucca's pencil eraser is $\frac{2}{6}$ of a centimeter. What other fraction represents this length?

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

28.) The average rainfall in September is $\frac{3}{4}$ of an inch. How many eighths is this?

$$\frac{3}{4} = \frac{\boxed{}}{\boxed{8}} \text{ of an inch}$$

    A $\frac{3}{4} = \frac{4}{8}$ **C** $\frac{3}{4} = \frac{6}{8}$

    B $\frac{3}{4} = \frac{3}{8}$ **D** $\frac{3}{4} = \frac{1}{8}$

29.) Choose the number line that shows a fraction equivalent to $\frac{1}{3}$.

A

B

C

D

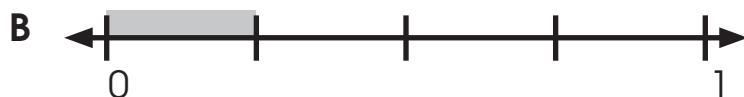**30.)** As the denominator gets _____ the size of the parts get

_____ .

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

31.) Miles grew $\frac{2}{8}$ of an inch this year. His friend Parker grew $\frac{3}{8}$ of an inch.
Did Miles grow more or less than Parker?
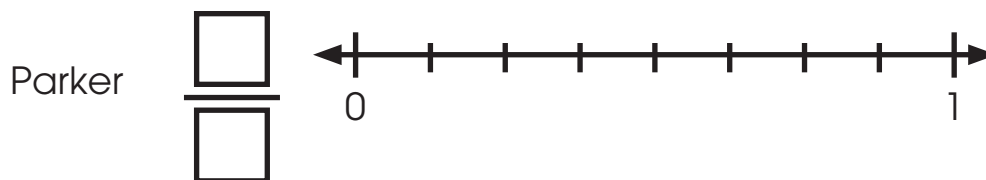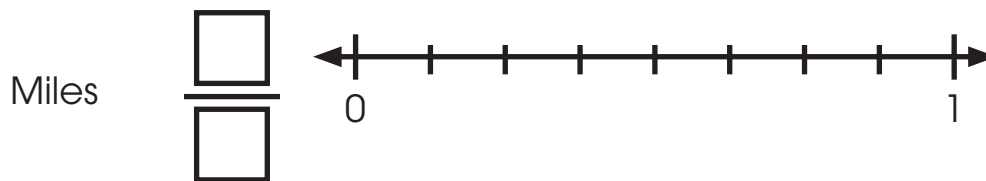
Miles

Parker

$\dfrac{2}{8}$ ◯ $\dfrac{3}{8}$

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.

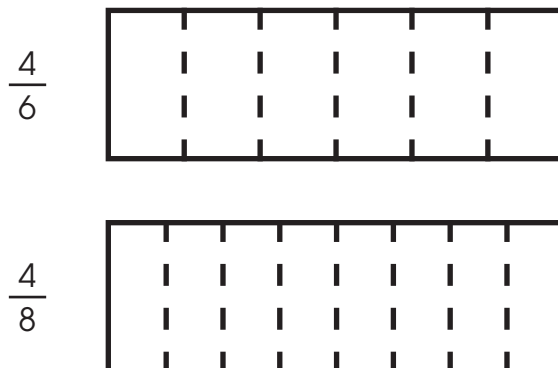**32.)** Choose the fraction that is less than $\dfrac{3}{6}$.

A $\dfrac{4}{6}$ **C** $\dfrac{6}{6}$

B $\dfrac{2}{6}$ **D** $\dfrac{5}{6}$

33.) Choose the correct symbol to compare $\dfrac{4}{6}$ and $\dfrac{4}{8}$.

$$\frac{4}{6} \bigcirc \frac{4}{8}$$

$\frac{4}{6}$

$\frac{4}{8}$

A >

B <

C =

D no symbol needed.

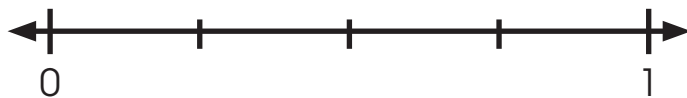**34.)** Choose the letter that does NOT show the fractions compared correctly. Remember < means "less than" and > means "greater than".

A $\frac{1}{8} > \frac{2}{8}$

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

C $\frac{3}{4} > \frac{3}{8}$

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

35.) Use the number lines to compare $\frac{1}{3}$ and $\frac{1}{4}$.

$\frac{1}{3}$ ◯ $\frac{1}{4}$

A $\frac{1}{3} = \frac{1}{4}$ **C** $\frac{1}{4} > \frac{1}{3}$

B $\frac{1}{3} < \frac{1}{4}$ **D** $\frac{1}{3} > \frac{1}{4}$

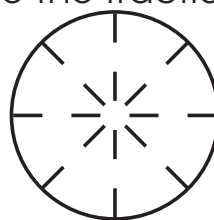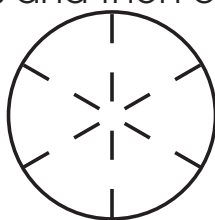**36.)** Choose the fraction that is **greater than** $\frac{6}{8}$.

    A $\frac{7}{8}$ **B** $\frac{2}{8}$ **C** $\frac{4}{8}$ **D** $\frac{5}{8}$

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

$\frac{1}{6}$ ◯ $\frac{1}{8}$

A $\frac{1}{8} > \frac{1}{6}$ **C** $\frac{1}{6} > \frac{1}{8}$

B $\frac{1}{6} = \frac{1}{8}$ **D** $\frac{1}{6} < \frac{1}{8}$

38.) If the wholes are the same size, $\frac{6}{8}$ and $\frac{3}{4}$ _____.

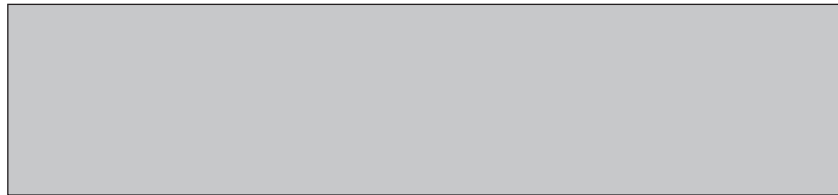   **A** have different sizes of parts in the whole.

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 $5\frac{1}{4}$ inches wide.
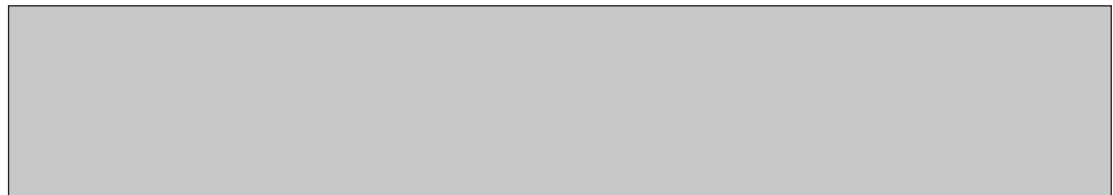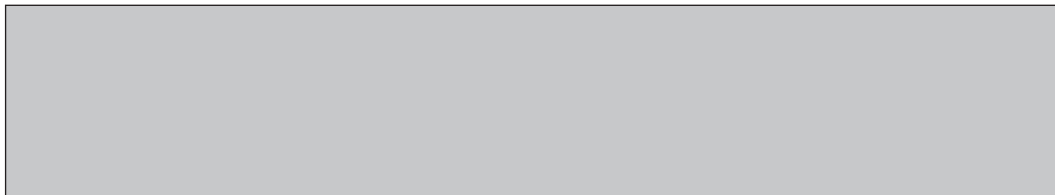
A

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? 2 marks.

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

B $4\frac{1}{8}$ inches

C 4 inches

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