Tier 2 Mathematics Intervention

Module: *Fraction Models (FM)*

Form C Assessment

Name

Date

Teacher
1.) Find the equal share using fraction bars when 4 friends share 1 chocolate bar equally. Choose the answer that shows the equal share.

A one-fourth of the chocolate bar
B two-halves of the chocolate bar
C one whole chocolate bar
D four chocolate bars

2.) Choose the sharing situation that would have an equal share of one-half 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 5 friends share 1 stick of gum equally. Choose the answer that shows the equal share.

A two-fifths of a piece of gum
B one-half of a piece of gum
C one whole piece of gum
D one-fifth of a piece of gum
4.) Choose the equal share when 2 people share 1 cupcake.
   A  2 cupcakes
   B  one-half of a cupcake
   C  two-thirds of a cupcake
   D  1 cupcake

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

   A  one-fifth of a banana
   B  five bananas
   C  one whole banana
   D  two-fifths of a banana

Choose the letter that shows the equal share.

6.) 8 friends share 1 cake equally.
7.) Using the picture provided, find the equal share when 4 people share 2 pies equally. Choose the answer that shows the equal share.

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

Choose the equal share.

8.) 6 people share 3 giant cookies.
9.) Find the equal share when 6 people share 4 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 four-sixths of the sandwiches

Choose the equal share.

10.) 7 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 \( \frac{3}{4} \) of the animals are puppies
- D \( \frac{2}{4} \) of the animals are puppies

12.) Choose the picture that shows \( \frac{3}{5} \) of the tools are hammers.

- A
- B
- C
- D
Locate and label the fraction on the number line.

13.) 5 friends share 2 feet of rope equally. Choose the answer that correctly shows the equal share on the number line.

A

\[ \begin{align*}
0 & \quad \frac{2}{5} \\
\hline
1 & \quad 2
\end{align*} \]

B

\[ \begin{align*}
0 & \quad \frac{2}{5} \\
\hline
1 & \quad 2
\end{align*} \]

C

\[ \begin{align*}
0 & \quad \frac{2}{5} \\
\hline
1 & \quad 2
\end{align*} \]

D

\[ \begin{align*}
0 & \quad \frac{2}{5} \\
\hline
1 & \quad 2
\end{align*} \]

14.) 7 students share 3 sandwiches equally. Choose the answer that correctly shows the equal share on the number line.

A

\[ \begin{align*}
0 & \quad \frac{3}{7} \\
\hline
1 & \quad 3
\end{align*} \]

B

\[ \begin{align*}
0 & \quad \frac{3}{7} \\
\hline
1 & \quad 3
\end{align*} \]

C

\[ \begin{align*}
0 & \quad \frac{3}{7} \\
\hline
1 & \quad 3
\end{align*} \]

D

\[ \begin{align*}
0 & \quad \frac{3}{7} \\
\hline
1 & \quad 3
\end{align*} \]
15.) Choose the answer that shows the fraction equal to 1 whole?

A $\frac{3}{3}$  
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.

\[
\begin{align*}
\text{A} & \quad \frac{3}{3} \\
\text{B} & \quad \frac{8}{5} \\
\text{C} & \quad \frac{3}{8} \\
\text{D} & \quad \frac{5}{8}
\end{align*}
\]

18.) Choose the fraction that has 6 in the numerator.

\[
\begin{align*}
\text{A} & \quad \frac{2}{4} \\
\text{B} & \quad \frac{6}{8} \\
\text{C} & \quad \frac{3}{6} \\
\text{D} & \quad \frac{1}{4}
\end{align*}
\]

19.) Choose the model that shows \( \frac{3}{6} \).

\[
\begin{align*}
\text{A} & \\
\text{B} & \\
\text{C} & \\
\text{D}
\end{align*}
\]

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

\[
\begin{align*}
\text{A} & \\
\text{B} & \\
\text{C} & \\
\text{D}
\end{align*}
\]
21.) Choose the answer that shows an equivalent equal share for 6 people sharing 2 granola bars.

A

B

C

D

22.) 6 friends equally share 3 brownies another way. What is another way for 6 friends to equally share 3 brownies?

Friend 1

Friend 2

Friend 3

Friend 4

Friend 5

Friend 6

A two-sixths
B one-half
C two-thirds
D two-sixths
23.) Choose the model that is not equivalent to \( \frac{1}{2} \).

A

B

C

D

Shade the shapes below to support your answer.

24.) What fraction is equivalent to \( \frac{1}{4} \)?

A \( \frac{2}{3} \)  
B \( \frac{1}{6} \)  
C \( \frac{2}{8} \)  
D \( \frac{5}{7} \)
Choose the fraction equivalent to the fraction shown by the area model.

25.) \[
\frac{1}{6} = \frac{3}{2}
\]

A \( \frac{1}{6} \)  \quad B \( \frac{3}{2} \)  \quad C \( \frac{3}{4} \)  \quad D \( \frac{2}{6} \)

26.) Choose the model that shows a fraction equivalent to \( \frac{1}{2} \) of the pie, shown by the model below.

A  

B  

C  

D
27.) The length of Lucca’s pencil eraser is $\frac{6}{8}$ 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 $\frac{2}{5}$ of an inch. How many tenths is this?

$$\frac{2}{5} = \frac{\phantom{10}}{10}$$

A $\frac{2}{5} = \frac{4}{10}$  
B $\frac{2}{5} = \frac{3}{10}$  
C $\frac{2}{5} = \frac{6}{10}$  
D $\frac{2}{5} = \frac{1}{10}$
29.) Choose the number line that shows a fraction equivalent to $\frac{2}{4}$.

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 \( \frac{4}{8} \) of an inch this year. His friend Parker grew \( \frac{3}{8} \) of an inch. Did Miles grow more or less than Parker?

Miles

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.  

Parker

32.) Choose the fraction that is less than \( \frac{3}{4} \).

A  \( \frac{4}{4} \)  
B  \( \frac{2}{4} \)  
C  \( \frac{6}{4} \)  
D  \( \frac{5}{4} \)
33.) Choose the correct symbol to compare \( \frac{5}{6} \) and \( \frac{5}{8} \).

\[
\begin{array}{c}
\frac{5}{6} \quad \frac{5}{8} \\
\hline
\end{array}
\]

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 \( \frac{3}{4} > \frac{3}{8} \)

D \( \frac{5}{6} < \frac{5}{9} \)
35.) Use the number lines to compare \(\frac{2}{3}\) and \(\frac{2}{4}\).

\[
\begin{array}{c}
0 & \quad 1 \\
\frac{2}{3} & \quad \frac{2}{4}
\end{array}
\]

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 less than \(\frac{5}{8}\).

A \ \frac{7}{8} \\
B \ \frac{5}{8} \\
C \ \frac{4}{8} \\
D \ \frac{6}{8}

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

\[
\begin{array}{c}
\frac{4}{6} & \quad \frac{4}{8} \\
\frac{4}{6} = \frac{4}{8} \\
\frac{4}{6} > \frac{4}{8} \\
\frac{4}{6} < \frac{4}{8}
\end{array}
\]
38. If the wholes are the same size, \( \frac{2}{6} \) and \( \frac{1}{3} \) ________________.

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 \( 4 \frac{1}{2} \) 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? 4 marks.

A  \( 3\frac{4}{8} \) inches
B  \( 4\frac{1}{8} \) inches
C  4 inches
D  \( 3\frac{1}{2} \) inches