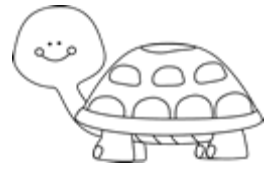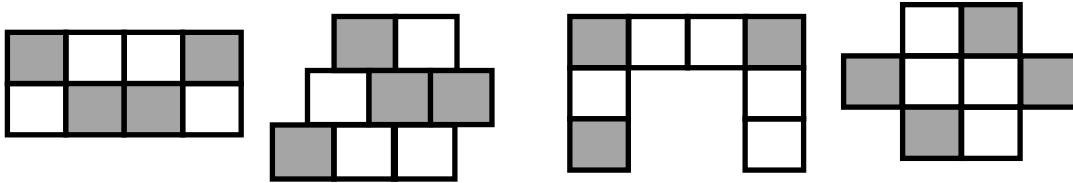# Module 5 Topic E Quiz
Equivalent Fractions

Name_____#_____ Date_____

Directions:

Circle the letter to the correct answer. Read the questions carefully. Think and work out the problem before marking your answer choice.

1) Label each fraction and then circle the fractions that are equal.

_____

2) Jessica has two different cups that hold exactly 1 liter each. She pours ½ liter of white chocolate into cup A. She pours ½ liter of milk chocolate into cup B. Susan says the amounts are not equal. Christina says they are.
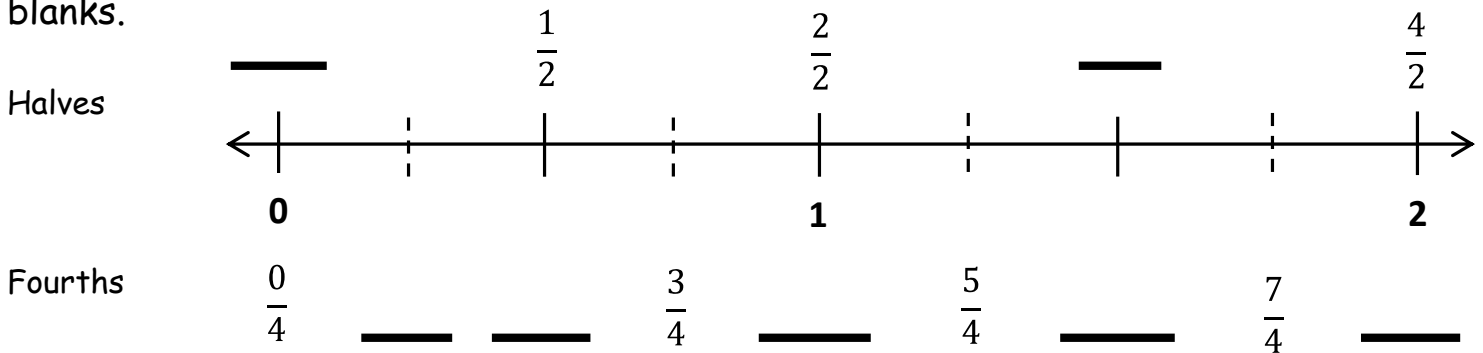Who is correct?

A) Jessica
B) Christina
C) Both of them
D) Neither of them

Explain your answer choice

_____
_____
_____
_____

A   B
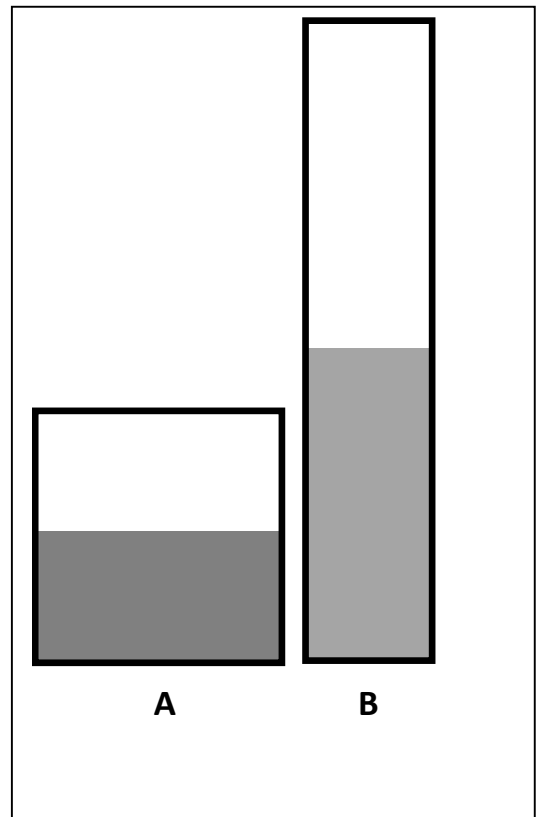
3) Use the fraction units on the left to count up on the number line. Fill in the blanks.

Halves

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

0   1   2

Fourths

$$\frac{0}{4} \qquad \qquad \frac{3}{4} \qquad \frac{5}{4} \qquad \frac{7}{4}$$

4) According to the number line, $\frac{1}{2}$ is less than which two fractions?

A. 5 fourths
B. 2 fourths
C. 1 fourth
D. 7 fourths

5) According to the number line what is $\frac{4}{2}$ equal to? Choose two answers.

A. 8 fourths
B. 2 wholes
C. 2 fourths
D. 2 halves

6) Jack and Jill use rain gauges the same size and shape to measure rain on top of a hill. Jack uses a rain gauge marked in fourths of an inch. Jill's gauge measures rain in eighths of an inch. On Thursday, Jack's gauge measured $\frac{2}{4}$ inches of rain. They both had the same amount of water, so what was the reading on Jill's gauge Thursday? Draw a number line and write a sentence to explain your thinking.
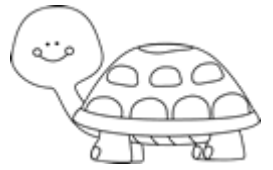
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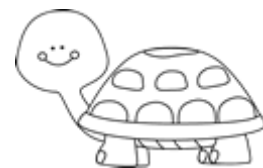
_____

Constructed Response Question

Directions: Write your answer to the questions in the spaces provided. This question has more than one part. Be sure to show all of the work you do to find your answer. Even if you cannot answer all parts, answer as many as you can. You may get points for answering part of a question. Write your answers clearly.

Cindy feeds her dog 1 third pound of food each day.

Part A: Draw a number line to represent 1 pond of food. Partition the number line to represent how much food she uses each day.

Part B: Draw another number line to represent 4 pounds of food. After 3 days, how many pounds of food has she given her dog?

Part C: After 6 days how many pounds of food has she given her dog?

Constructed Response Question

 Directions: Write your answer to the questions in the spaces provided. This question has more than one part. Be sure to show all of the work you do to find your answer. Even if you cannot answer all parts, answer as many as you can. You may get points for answering part of a question. Write your answers clearly.

6 friends want to share three chocolate bars that are all the same size, represented by the 3 strips below. When the bars are unwrapped, the girsl notice that the firs chocolate bar is cut into 2 equal parts. The second bar is cut into 4 equal parts. The third is cut into 6 equal parts. How can the 6 friends share the chocolate bars equally, without breaking any of the pieces?

Use the strips below to represent each candy bar. Partition each bar into the equal parts it asks for.

Explain how the bars can be shared equally without breaking the pieces.

_____
_____
_____
_____
_____
_____
_____