

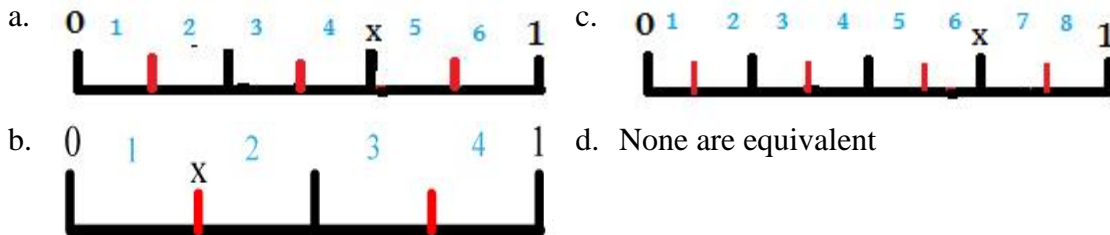
### 3rd Grade Number & Operations—Fractions

Develop understanding of fractions as numbers. Standard 3abc, Test 1

#### Multiple Choice

Identify the choice that best completes the statement or answers the question.

- What is the equivalent (equal) fraction of  $\frac{1}{3}$ ?
  - $\frac{1}{6}$
  - $\frac{3}{1}$
  - $\frac{2}{6}$
  - $\frac{1}{2}$
- What is the equivalent (equal) fraction of  $\frac{4}{5}$ ?
  - $\frac{2}{3}$
  - $\frac{8}{10}$
  - $\frac{4}{1}$
  - 1
- What is the equivalent (equal) fraction of  $\frac{2}{4}$ ?
  - $\frac{1}{2}$
  - $\frac{4}{5}$
  - $\frac{2}{8}$
  - 1
- Which of the line diagrams below is equivalent to  $\frac{3}{4}$



#### Completion

Complete each statement.

- Write the next higher equivalent fraction for  $\frac{2}{5}$

\_\_\_\_\_

- Write the next higher equivalent fraction for  $\frac{2}{3}$

\_\_\_\_\_

- Write the next lower equivalent fraction for  $\frac{3}{6}$

\_\_\_\_\_

- Write the next lower equivalent fraction for  $\frac{5}{10}$

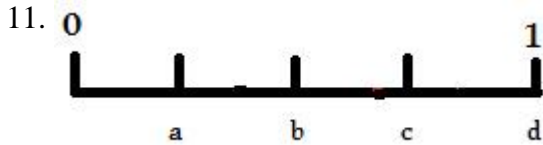
\_\_\_\_\_

9. What is the equivalent whole number for  $6/1$ ?

\_\_\_\_\_

10. Write the simplest (smallest numbers possible) fraction equivalent to 3.

\_\_\_\_\_



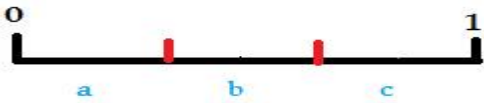
Which letter on the number line above equals  $4/4$ ?

\_\_\_\_\_

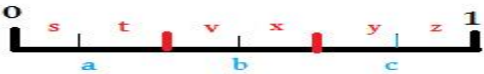
Answer 1: C



This is the WHOLE line - 0 to 1.



This is the line divided into 3 parts - a, b, c. Section a is 1 of the three parts of the line =  $1/3$ .

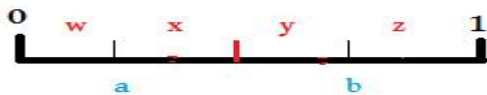


This is the same whole line divided into 6 parts - s, t, v, x, y, z. Notice the sections a, b, c in blue below the line. Look at section a. It is the same as sections s and t above. They are equal. So,  $1/3$  (in blue) is equal to  $2/6$  (in red).

Answer 2: B

Answer 3: A

This is the same thing, just going down instead of up. Look at the two fractions -  $1/2$  and  $2/4$ . Start with  $1/2$ . That is the same as  $2/4$ . Look at section "a" in blue. It is  $1/2$  of the whole line. It is the same as sections w and x -  $2/4$  of the whole line. They are equal.



Answer 4: C

Answer 5:  $\frac{4}{10}$

Answer 6:  $\frac{4}{6}$

Answer 7:  $\frac{1}{3}$

Answer 8:  $\frac{1}{2}$

Answer 9: 6

Answer 10:  $\frac{3}{1}$

Answer 11: D