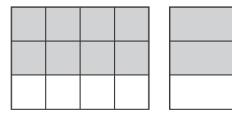
Name: Date:

1. The models below are shaded to represent equivalent fractions.



Which fraction is equivalent to the fractions shown by the models?

- A.  $\frac{2}{3}$
- B.  $\frac{4}{8}$
- c.  $\frac{6}{10}$
- D.  $\frac{9}{12}$
- 2. Find the missing value that will make each of the following equations true.

$$\text{a. } \frac{6}{9} = \frac{\square}{3}$$

b. 
$$\frac{4}{16} = \frac{1}{\Box}$$

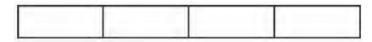
c. 
$$\frac{20}{10} = \frac{2}{\Box}$$

$$\text{d. } \frac{55}{20} = \frac{\square}{4}$$

3. Mandy shaded the fraction strip below to represent a fraction.

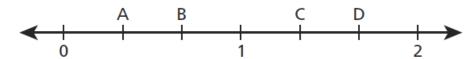


Shade the fraction strip below so that it represents a fraction that is equivalent to Mandy's fraction strip.



Explain how you know your fraction strip is correct.

4. Which letter on the number line below represents a fraction equivalent to  $\frac{4}{6}$ ?



- A. A
- B. B
- C. C
- D. D

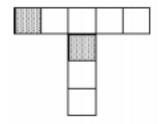
5. Use pictures to explain why the following fractions are equivalent.

a. 
$$\frac{3}{9} = \frac{1}{3}$$

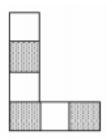
b. 
$$\frac{6}{10} = \frac{3}{5}$$

c. 
$$\frac{12}{9} = \frac{4}{3}$$

6. Maria has shaded  $\frac{1}{4}$  of this T shape.



What fraction of this L shape has Maria shaded?



## **Sources**

1. EngageNY <u>New York State Testing Program Grade 4 Common Core Mathematics Test Released Questions June 2017</u> — Question #6

From EngageNY.org of the New York State Education Department. <u>New York State Testing Program Grade 4 Common Core Mathematics Test Released Questions June 2017</u>. Internet. Available from https://www.nysed.gov/curriculum-instruction/engageny; accessed March 7, 2018, 1:59 p.m..

3. EngageNY <u>New York State Testing Program Grade 4 Common Core Mathematics Test Released Questions May 2016</u> — Question #48

From EngageNY.org of the New York State Education Department. <u>New York State Testing Program Grade 4 Common Core Mathematics Test Released Questions May 2016</u>. Internet. Available from https://www.nysed.gov/curriculum-instruction/engageny; accessed March 7, 2018, 2:08 p.m..

4. EngageNY <u>New York State Testing Program Grade 4 Common Core Mathematics Test Released Questions June 2017</u> — Question #27

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