

4.NF.A.1

EQUIVALENT FRACTIONS

TASK CARDS



ANSWER KEY			
Name: _____		Date: _____	
Card #	Answer	Card #	Answer
1.		16.	
2.		17.	
3.		18.	
4.		19.	
5.		20.	
6.		21.	
7.		22.	
8.		23.	

5 RECOGNIZING EQUIVALENT FRACTIONS

The shaded part of the first pentagon represents $\frac{2}{5}$.

The second pentagon is divided into 10 equal parts. How many parts should be shaded in the second pentagon to represent an equivalent fraction?



15 EXPLAINING EQUIVALENT FRACTIONS

A pizza is cut into 8 slices, and 6 slices are eaten. Which fraction is equivalent to $\frac{6}{8}$?



c. $\frac{1}{4}$
d. $\frac{4}{8}$

23 GENERATING EQUIVALENT FRACTIONS

Which fraction is equivalent to $\frac{8}{12}$?

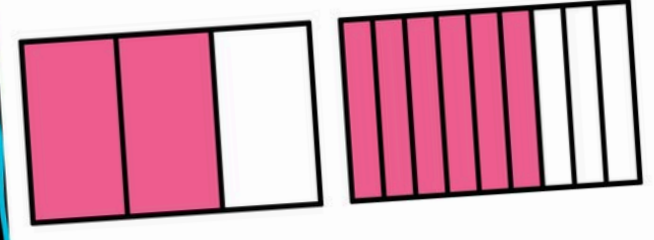
2

Equivalent Fractions CHALLENGE

A rectangular garden is divided into 4 equal parts, with 3 parts planted with flowers. The same garden is then divided into 8 equal parts. Use a visual model to explain what the fraction $\frac{3}{4}$ is equivalent to and why.

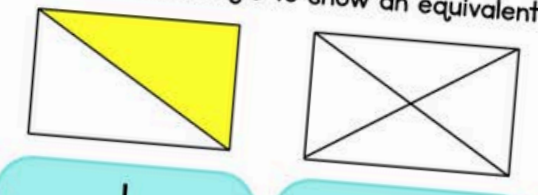


Equivalent Fractions



★★★★★★★★

The shaded part of the first rectangle represents $\frac{1}{2}$. The second rectangle is divided into 4 equal parts. How many parts should be shaded in the second rectangle to show an equivalent fraction?



1 3
2 4

PRINTABLE AND DIGITAL



- 30 PRINT-AND-GO TASK CARDS
- READY TO USE FOR CENTERS

ANSWER KEY

Name: _____ Date: _____

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		26.	
		27.	
		28.	
		29.	
		30.	



1. RECOGNIZING EQUIVALENT FRACTIONS

The shaded part of the first rectangle represents $\frac{1}{2}$. The second rectangle is divided into 4 equal parts. How many parts should be shaded in the second rectangle to show an equivalent fraction?

a. 1 c. 3
b. 2 d. 4

3. RECOGNIZING EQUIVALENT FRACTIONS

Look at the two models below. Which equivalent fraction do both models represent?

a. $\frac{3}{6}$ c. $\frac{2}{6}$
b. $\frac{2}{3}$ d. $\frac{4}{8}$

2. RECOGNIZING EQUIVALENT FRACTIONS

The shaded part of the first circle represents $\frac{3}{4}$. The second circle is divided into 8 equal parts. How many parts should be shaded in the second circle to represent the same fraction?

a. 3 c. 6
b. 4 d. 8

4. RECOGNIZING EQUIVALENT FRACTIONS

If the fraction $\frac{1}{4}$ is shown on the first model, how many parts should be shaded in the second rectangle to show an equivalent fraction?

a. Shade 1 part out of 8. c. Shade 2 parts out of 8.
b. Shade 4 parts out of 8. d. Shade 8 parts out of 8.

8. RECOGNIZING EQUIVALENT FRACTIONS

The first rectangle is divided into 3 parts with 2 shaded. The second rectangle is divided into 12 parts. How many parts should be shaded in the second rectangle to show an equivalent fraction?

a. 4 c. 8
b. 6

Equivalent Fractions

Equivalent Fractions CHALLENGE

A rectangular garden is divided into 4 equal parts, with 3 parts planted with flowers. The same garden is then divided into 8 equal parts. Use a visual model to explain what the fraction $\frac{3}{4}$ is equivalent to and why.



SELF CORRECTING, INCLUDES REPORTING CERTIFICATE

9 EXPLAINING EQUIVALENT FRACTIONS

Why are $\frac{2}{5}$ and $\frac{6}{15}$ equivalent?

a. Because $2 \times 3 = 6$ and $5 \times 3 = 15$.

b. Because $2 \div 2 = 1$ and $5 \div 2 = 2.5$.

10 EXPLAINING EQUIVALENT FRACTIONS

A fraction model shows $\frac{4}{8}$. Which of the following fractions is equivalent and why?

a. $\frac{2}{4}$, because both numerator and denominator are divided by 2.

b. $\frac{1}{2}$, because both the numerator and denominator are divided by 4.

c. $\frac{4}{8}$, because it's already simplified.

d. $\frac{8}{16}$, because both the numerator and denominator are multiplied by 2.

25 APPLYING EQUIVALENT FRACTIONS

Two rectangles are divided into different numbers of parts. The first shows $\frac{2}{3}$, and the second shows $\frac{6}{9}$.

What proves these fractions are equivalent?

a. The number of parts is the same in both models.

b. The shaded areas cover the same amount of space in both models.

c. The denominators are equal.

d. The numerators are equal.

12 EXPLAINING EQUIVALENT FRACTIONS

Why are $\frac{5}{6}$ and $\frac{10}{12}$ equivalent?

a. Because both the numerator and denominator are multiplied by 2.

b. Because the fractions have the same denominator.

c. Because the denominator is divided by 2.

d. Because the denominator of $\frac{10}{12}$ are added together to match $\frac{5}{6}$.

INCORRECT

The correct answer is to multiply both the numerator and denominator of $\frac{2}{5}$ by 2.

CONTINUE

Add 2 to both the numerator and denominator of $\frac{2}{5}$.

Subtract 2 from both the numerator and denominator of $\frac{4}{10}$.

27 APPLYING EQUIVALENT FRACTIONS

drank $\frac{1}{2}$ of a glass of juice. If the same glass is divided into 6 equal parts, how much juice would you have via drink?

c. $\frac{6}{8}$

d. $\frac{6}{9}$

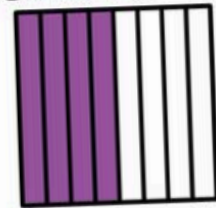
SHUFFLES CARDS, SO STUDENTS
CAN PRACTICE MORE THAN ONCE

[illegible]

STANDARDS ALIGNED

10 EXPLAINING EQUIVALENT FRACTIONS

A fraction model shows $\frac{4}{8}$. Which of the following fractions is equivalent and why?



- a. $\frac{2}{4}$, because both numerator and denominator are divided by 2.
- b. $\frac{1}{2}$, because both the numerator and denominator are divided by 4.
- c. $\frac{4}{8}$, because it's already simplified.
- d. $\frac{8}{16}$, because both the numerator and denominator are multiplied by 2.

22 GENERATING EQUIVALENT FRACTIONS

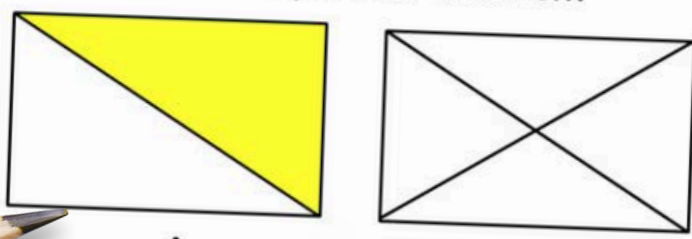
Which of these fractions is equivalent to $\frac{5}{6}$?

- a. $\frac{2}{3}$
- b. $\frac{5}{12}$
- c. $\frac{2}{3}$
- d. $\frac{10}{12}$

1 RECOGNIZING EQUIVALENT FRACTIONS

The shaded part of the first rectangle represents $\frac{1}{2}$.

The second rectangle is divided into 4 equal parts. How many parts should be shaded in the second rectangle to show an equivalent fraction?



- a. 1
- b. 2
- c. 3
- d. 4

Equivalent Fractions CHALLENGE

A rectangular garden is divided into 4 equal parts, with 3 parts planted with flowers. The same garden is then divided into 8 equal parts. Use a visual model to explain what the fraction $\frac{3}{4}$ is equivalent to and why.



13 EXPLAINING EQUIVALENT FRACTIONS

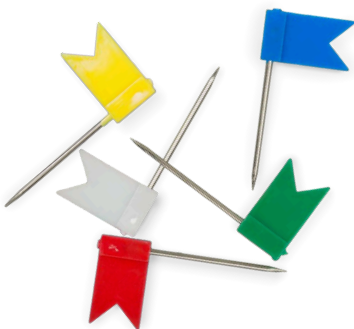
A fraction model shows $\frac{3}{5}$. Which fraction below represents the same amount using a different denominator?



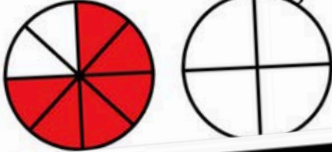
- a. $\frac{6}{10}$
- b. $\frac{9}{10}$
- c. $\frac{3}{10}$
- d. $\frac{3}{15}$



USE OVER AND OVER FOR CENTERS, GAMES, AND REVIEW



15 EXPLAINING EQUIVALENT FRACTIONS
A pizza is cut into 8 slices, and 6 slices are eaten. Which fraction is equivalent to $\frac{6}{8}$?



Equivalent Fractions CHALLENGE
A rectangular garden is divided into 4 equal parts, with 3 parts planted with flowers. The same garden is then divided into 8 equal parts. Use a visual model to show why the fraction $\frac{3}{4}$ is equivalent to $\frac{6}{8}$.

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17 GENERATING EQUIVALENT FRACTIONS
Multiply the numerator and denominator of $\frac{3}{5}$ by 2. What is the equivalent fraction?

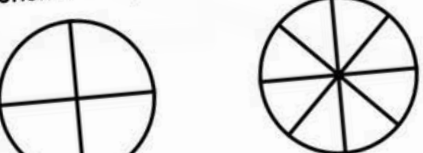
a. $\frac{6}{10}$ c. $\frac{9}{10}$
b. $\frac{5}{10}$ d. $\frac{3}{10}$

25 APPLYING EQUIVALENT FRACTIONS
Two rectangles are divided into different numbers of parts. The first shows $\frac{2}{3}$, and the second shows $\frac{6}{9}$. What proves these fractions are equivalent?



a. The number of parts is the same in both models.
b. The shaded areas cover the same amount of space in both models.
c. The denominators are equal.
d. The numerators are equal.

26 APPLYING EQUIVALENT FRACTIONS
A pizza is cut into 4 slices and 2 slices are eaten. What is the equivalent fraction if the pizza were cut into 8 slices instead?



a. $\frac{2}{8}$ c. $\frac{6}{8}$
b. $\frac{4}{8}$ d. $\frac{8}{8}$

23 GENERATING EQUIVALENT FRACTIONS
Which fraction is equivalent to $\frac{8}{12}$?

a. $\frac{8}{10}$ c. $\frac{2}{3}$
b. $\frac{1}{2}$ d. $\frac{1}{4}$

19 GENERATING EQUIVALENT FRACTIONS
Generate an equivalent fraction for $\frac{1}{2}$, multiply the numerator and denominator by 5. What fraction do you get?

a. $\frac{2}{10}$ c. $\frac{3}{10}$
b. $\frac{5}{10}$ d. $\frac{7}{10}$

27 APPLYING EQUIVALENT FRACTIONS
Sylvia drank $\frac{2}{3}$ of a glass of juice. If the same glass is divided into 6 equal parts, how much juice would Sylvia drink?

a. $\frac{4}{6}$ c. $\frac{6}{8}$
b. $\frac{9}{15}$ d. $\frac{4}{5}$

28 APPLYING EQUIVALENT FRACTIONS
A recipe calls for $\frac{3}{4}$ of a cup of flour. The same measurement is divided into 8 parts. What is the equivalent fraction?

a. $\frac{4}{8}$ c. $\frac{4}{6}$
b. $\frac{2}{8}$ d. $\frac{6}{8}$

29 APPLYING EQUIVALENT FRACTIONS
Use a first model, how much of the second rectangle to shade?



a. Shade 1 part out of 8.
b. Shade 4 parts out of 8.
c. Shade 2 parts out of 8.
d. Shade 8 parts out of 8.

