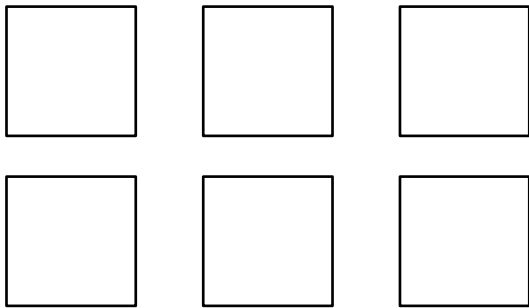# Equivalent Fractions

Objectives: 4.NF.A.1

Identify equivalent fractions, reduce fractions to lowest terms

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Warm-up Problem: Use the numbers below to make the number 9 by combining them with appropriate mathematical symbols. You can rearrange them in any way you want, but be sure to use all 4 numbers.

7, 4, 1, 2

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1. Find six different ways to shade ½ of a square.

2. Andrew ate 4 out of the 8 slices of pizza. What fraction of the pizza did he eat?
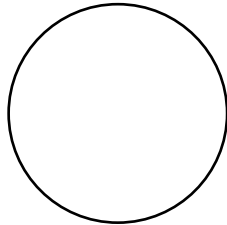
3. Find 5 fractions that are equal to 2/3. (We call them equivalent fractions.)

4. Use a picture to show whether 6/8 is the same as as 9/12.

5. Write each fraction in simplest terms.

- $\dfrac{20}{25}$

- $\dfrac{12}{32}$

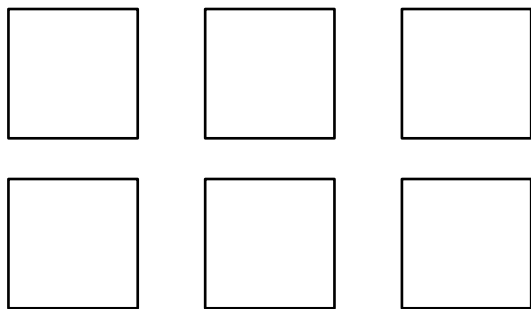- $\dfrac{16}{36}$

6. Write each fraction in simplest terms.

- $\dfrac{24}{30}$

- $\dfrac{15}{24}$

- $\dfrac{28}{48}$

7. Use a picture to show whether 6/10 is the same as as 4/6.

1. Find 6 different ways to shade ¼ of a square.

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[ ] [ ] [ ]

2. Find 5 fractions that are equivalent to 3/5.

3. Use a picture to show whether 4/9 is the same as 5/12.

4. Write each fraction in simplest form.

- $\dfrac{8}{20}$

- $\dfrac{24}{42}$

- $\dfrac{20}{32}$

- $\dfrac{40}{25}$

- $\dfrac{24}{60}$

- $\dfrac{32}{100}$

- $\dfrac{45}{60}$

- $\dfrac{48}{20}$

- $\dfrac{21}{49}$

Challenge Problem: What is the meaning of the following fraction? $\dfrac{\frac{1}{2}}{2}$