

REVIEW: Equivalent Fractions

Name _____

Key Concept and Vocabulary

$$\frac{2}{3} = \frac{2 \cdot 4}{3 \cdot 4} = \frac{8}{12}$$

Multiply numerator and denominator by the same number.

Equivalent Fractions



Visual Model

$$\frac{2}{3}$$



equivalent fractions

$$\frac{8}{12}$$



Skill Examples

1. $\frac{1}{2} = \frac{1 \cdot 2}{2 \cdot 2} = \frac{2}{4}$

$\frac{1}{2}$, $\frac{2}{4}$, and $\frac{3}{6}$ are all equivalent.

2. $\frac{1}{2} = \frac{1 \cdot 3}{2 \cdot 3} = \frac{3}{6}$

3. $\frac{3}{4} = \frac{3 \cdot 5}{4 \cdot 5} = \frac{15}{20}$

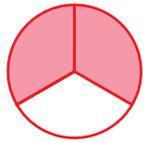
4. $\frac{4}{5} = \frac{4 \cdot 20}{5 \cdot 20} = \frac{80}{100}$

Application Example

5. You eat two-thirds of a pizza that has 12 pieces. How many pieces do you eat?

$$\frac{2}{3} = \frac{2 \cdot 4}{3 \cdot 4} = \frac{8}{12}$$

- You eat 8 pieces.



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Check your answers at BigIdeasMath.com.

Write a fraction that is equivalent to the given fraction.

6. $\frac{1}{2} = \frac{\square}{4}$

7. $\frac{3}{5} = \frac{\square}{15}$

8. $\frac{4}{3} = \frac{\square}{9}$

9. $\frac{1}{3} = \frac{\square}{27}$

10. $\frac{2}{5} = \frac{\square}{20}$

11. $\frac{7}{8} = \frac{\square}{64}$

12. $\frac{3}{7} = \frac{6}{\square}$

13. $\frac{9}{4} = \frac{36}{\square}$

14. $\frac{1}{5} = \frac{10}{\square}$

15. $\frac{3}{9} = \frac{12}{\square}$

16. $\frac{7}{10} = \frac{14}{\square}$

17. $\frac{3}{8} = \frac{9}{\square}$

Shade the model so that the fraction is equivalent.



20. **PIZZA** You eat three-fourths of a pizza that has 12 pieces. How many pieces do you eat? _____

21. **SURVEY** A survey asked 240 people if they liked the movie "Star Wars." One-third liked it, one-sixth did not like it, and one-half had not seen it. How many people are in each of the three categories? _____