

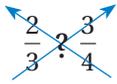
REVIEW: Comparing and Ordering Fractions

Name _____

Key Concept and Vocabulary

$$2 \cdot 4 = 8$$

$$3 \cdot 3 = 9$$



Find products.

Comparing Fractions



$$\frac{2}{3} < \frac{3}{4} \text{ because } 8 < 9.$$

Visual Model

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



$$\frac{2}{3} < \frac{3}{4}$$

$$\frac{3}{4}$$



Skill Examples

- $\frac{1}{2} > \frac{5}{11}$ because $1 \cdot 11 > 2 \cdot 5$.
- $\frac{3}{6} = \frac{1}{2}$ because $3 \cdot 2 = 6 \cdot 1$.
- $\frac{3}{8} < \frac{2}{5}$ because $3 \cdot 5 < 8 \cdot 2$.
- $\frac{4}{9} > \frac{3}{7}$ because $4 \cdot 7 > 9 \cdot 3$.

Application Example

- You run seven-eighths mile. Your friend runs eight-tenths mile. Who runs farther?

$$\frac{7}{8} > \frac{8}{10} \text{ because } 7 \cdot 10 > 8 \cdot 8.$$

••• You run farther.



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Check your answers at BigIdeasMath.com.

Compare the fractions using $<$, $>$, or $=$.

6. $\frac{4}{5} \square \frac{8}{11}$

7. $\frac{6}{7} \square \frac{5}{6}$

8. $\frac{6}{7} \square \frac{7}{8}$

9. $\frac{3}{11} \square \frac{6}{22}$

10. $\frac{9}{2} \square \frac{14}{3}$

11. $\frac{3}{9} \square \frac{1}{3}$

12. $\frac{4}{9} \square \frac{9}{20}$

13. $\frac{7}{12} \square \frac{4}{7}$

14. $\frac{2}{9} \square \frac{4}{18}$

15. $\frac{3}{8} \square \frac{4}{11}$

16. $\frac{7}{5} \square \frac{13}{9}$

17. $\frac{6}{5} \square \frac{11}{10}$

Compare the fractions models using $<$, $>$, or $=$.



20. **MILK** You drink six-eighths of a quart of milk. Your friend pours a quart of milk into four 8-fluid ounce glasses and drinks three of them. Who drinks more? _____

21. **ORDERING FRACTIONS** Order the fractions from least to greatest and graph them on a number line: $\frac{3}{8}$, $\frac{1}{4}$, $\frac{1}{3}$, and $\frac{2}{5}$.

