Equivalent fractions

Name _____ Date _____

Find the missing number.

Common Core 4.NF.A.1

Example $\frac{4}{5} = \frac{?}{10}$

1. 5 × 2 = 10, so the denominator was multiplied by 2.
2. Multiply the numerator by 2 too: 4 × 2 = 8.

Answer: $\frac{4}{5} = \frac{8}{10}$

1. $\frac{2}{4} = \frac{?}{100}$? = ☐
2. $\frac{5}{10} = \frac{?}{100}$? = ☐
3. $\frac{1}{2} = \frac{?}{8}$? = ☐
4. $\frac{3}{6} = \frac{?}{12}$? = ☐
5. $\frac{1}{2} = \frac{?}{10}$? = ☐
6. $\frac{1}{2} = \frac{?}{100}$? = ☐

Find the missing number.

Example $\frac{3}{5} = \frac{60}{?}$

1. Numerators: 3 × 20 = 60, so the multiplier is 20.
2. Multiply the denominator by 20 too: 5 × 20 = 100.

Answer: $\frac{3}{5} = \frac{60}{100}$

7. $\frac{60}{?} = \frac{3}{5}$? = ☐
8. $\frac{?}{2} = \frac{5}{10}$? = ☐
9. $\frac{2}{6} = \frac{1}{?}$? = ☐
10. $\frac{1}{3} = \frac{2}{?}$? = ☐
11. $\frac{1}{2} = \frac{5}{?}$? = ☐
12. $\frac{?}{12} = \frac{3}{4}$? = ☐

Free to share with other families. Not for resale.

Comparing fractions

Name _____ Date _____

Write <, > or =.

Common Core 4.NF.A.2

Example $\frac{7}{8}$? $\frac{1}{2}$

1. Half of 8 is 4, so one half = 4 eighths.
2. 7 eighths is more than 4 eighths.

Answer: $\frac{7}{8} > \frac{1}{2}$

1. $\frac{98}{100}$ ☐ $\frac{1}{2}$
2. $\frac{4}{8}$ ☐ $\frac{1}{2}$
3. $\frac{1}{2}$ ☐ $\frac{2}{8}$
4. $\frac{1}{2}$ ☐ $\frac{93}{100}$
5. $\frac{1}{2}$ ☐ $\frac{3}{12}$
6. $\frac{9}{12}$ ☐ $\frac{1}{2}$

Write <, > or =. Make the denominators the same first.

Example $\frac{3}{4}$? $\frac{4}{5}$

1. Use twentieths for both: 3/4 = 15/20 and 4/5 = 16/20.
2. 15 twentieths is less than 16 twentieths.

Answer: $\frac{3}{4} < \frac{4}{5}$

7. $\frac{4}{8}$ ☐ $\frac{3}{4}$
8. $\frac{5}{8}$ ☐ $\frac{4}{6}$
9. $\frac{1}{2}$ ☐ $\frac{3}{8}$
10. $\frac{2}{5}$ ☐ $\frac{1}{4}$
11. $\frac{7}{12}$ ☐ $\frac{2}{3}$
12. $\frac{1}{3}$ ☐ $\frac{4}{8}$

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Answers

Answers are in the same order as the boxes.

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1. 50
2. 50
3. 4
4. 6
5. 5
6. 50
7. 100
8. 1
9. 3
10. 6
11. 10
12. 9

Page 2 · Comparing fractions

1. >
2. =
3. >
4. <
5. >
6. >
7. <
8. <
9. >
10. >
11. <
12. <

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