

Add and Subtract Fractions

Unit Review (page 1 of 2)

1. Find each GCF. Then write each fraction in simplest form.

$$\text{GCF} = \boxed{}$$

$$\frac{16}{40} = \frac{\boxed{}}{\boxed{}}$$

$$\text{GCF} = \boxed{}$$

$$\frac{18}{27} = \frac{\boxed{}}{\boxed{}}$$

$$\text{GCF} = \boxed{}$$

$$\frac{35}{42} = \frac{\boxed{}}{\boxed{}}$$

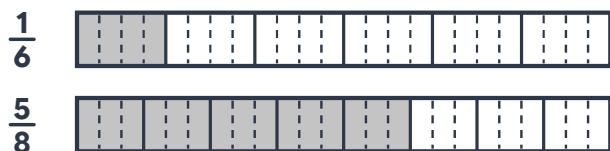
2. Rename both fractions with the least common denominator.

$$\frac{4}{5} = \frac{\boxed{}}{\boxed{}} \quad \frac{1}{6} = \frac{\boxed{}}{\boxed{}}$$

3. Write the fractions in order from least to greatest.

$$\frac{\frac{3}{5}}{\boxed{}} < \frac{\frac{5}{12}}{\boxed{}} < \frac{\frac{5}{6}}{\boxed{}}$$

4. The strips show the two fractions. Use them to add.



$$\frac{1}{6} + \frac{5}{8} = \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

5. Add. Write each sum as a mixed number.

$$\frac{1}{3} + \frac{11}{12} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

$$\frac{2}{5} + \frac{7}{10} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

6. Subtract. Use the least common denominator.

$$\frac{7}{12} - \frac{1}{8} = \frac{\boxed{}}{\boxed{}} - \frac{\boxed{}}{\boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}}$$

Add and Subtract Fractions

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7. Add. Answer in simplest form.

$$3\frac{3}{4} + 1\frac{11}{12} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

$$2\frac{1}{4} + 3\frac{1}{10} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

8. Subtract. Answer in simplest form.

$$5\frac{1}{3} - 2\frac{7}{12} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

$$4 - 1\frac{5}{12} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

9. Round each fraction to 0, one half or 1. Circle the best estimate.

$$\frac{7}{12} + \frac{9}{10}$$

1

 $1\frac{1}{2}$

2

$$\frac{9}{10} - \frac{1}{12}$$

 $\frac{1}{2}$

1

 $1\frac{1}{2}$

10. Solve. Answer in simplest form.

Ann has a ribbon $4\frac{1}{5}$ feet long. Ben has a ribbon $1\frac{1}{3}$ feet long. How much longer is Ann's ribbon?

Answer:

feet

11. Solve. Answer in simplest form.

Jay had $1\frac{2}{3}$ cups of juice. He poured in $2\frac{5}{12}$ cups more, then drank $1\frac{1}{2}$ cups. How much juice is left?

Answer:

cups

12. Circle the prime numbers. Then make a factor tree for 100.

22 67 69 79 88 99

100

100 = _____

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Unit Review (page 1 of 2)

1. Find each GCF. Then write each fraction in simplest form.

$$\text{GCF} = \boxed{8}$$

$$\frac{16}{40} = \frac{\boxed{2}}{\boxed{5}}$$

$$\text{GCF} = \boxed{9}$$

$$\frac{18}{27} = \frac{\boxed{2}}{\boxed{3}}$$

$$\text{GCF} = \boxed{7}$$

$$\frac{35}{42} = \frac{\boxed{5}}{\boxed{6}}$$

Lesson 7.2 · Simplest form and the GCF

2. Rename both fractions with the least common denominator.

$$\frac{4}{5} = \frac{\boxed{24}}{\boxed{30}} \quad \frac{1}{6} = \frac{\boxed{5}}{\boxed{30}}$$

Lesson 7.3 · Common denominators

3. Write the fractions in order from least to greatest.

$$\frac{\frac{3}{5}}{\frac{5}{12}} < \frac{\frac{5}{12}}{\frac{3}{5}} < \frac{\frac{5}{6}}{\frac{5}{6}}$$

Lesson 7.3 · Common denominators

4. The strips show the two fractions. Use them to add.



$$\frac{1}{6} + \frac{5}{8} = \frac{\boxed{4}}{\boxed{24}} + \frac{\boxed{15}}{\boxed{24}} = \frac{\boxed{19}}{\boxed{24}}$$

Lesson 7.4 · Add fractions with unlike denominators

5. Add. Write each sum as a mixed number.

$$\frac{1}{3} + \frac{11}{12} = \boxed{1} \frac{\boxed{1}}{\boxed{4}}$$

$$\frac{2}{5} + \frac{7}{10} = \boxed{1} \frac{\boxed{1}}{\boxed{10}}$$

Lesson 7.4 · Add fractions with unlike denominators

6. Subtract. Use the least common denominator.

$$\frac{7}{12} - \frac{1}{8} = \frac{\boxed{14}}{\boxed{24}} - \frac{\boxed{3}}{\boxed{24}}$$

$$= \frac{\boxed{11}}{\boxed{24}}$$

Lesson 7.5 · Subtract fractions with unlike denominators

Add and Subtract Fractions

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7. Add. Answer in simplest form.

$$3\frac{3}{4} + 1\frac{11}{12} = \boxed{5}\frac{\boxed{2}}{\boxed{3}} \text{ or } \frac{17}{3}$$

$$2\frac{1}{4} + 3\frac{1}{10} = \boxed{5}\frac{\boxed{7}}{\boxed{20}} \text{ or } \frac{107}{20}$$

Lesson 7.6 · Add mixed numbers

8. Subtract. Answer in simplest form.

$$5\frac{1}{3} - 2\frac{7}{12} = \boxed{2}\frac{\boxed{3}}{\boxed{4}} \text{ or } \frac{11}{4}$$

$$4 - 1\frac{5}{12} = \boxed{2}\frac{\boxed{7}}{\boxed{12}} \text{ or } \frac{31}{12}$$

Lesson 7.7 · Subtract mixed numbers

9. Round each fraction to 0, one half or 1. Circle the best estimate.

$$\frac{7}{12} + \frac{9}{10}$$

1 **$1\frac{1}{2}$** 2

$$\frac{9}{10} - \frac{1}{12}$$

$\frac{1}{2}$ **1** $1\frac{1}{2}$

Lesson 7.8 · Estimate with benchmarks

10. Solve. Answer in simplest form.

Ann has a ribbon $4\frac{1}{5}$ feet long. Ben has a ribbon $1\frac{1}{3}$ feet long. How much longer is Ann's ribbon?

Answer: $\boxed{2}\frac{\boxed{13}}{\boxed{15}}$ feet or $\frac{43}{15}$

Lesson 7.9 · Fraction story problems

11. Solve. Answer in simplest form.

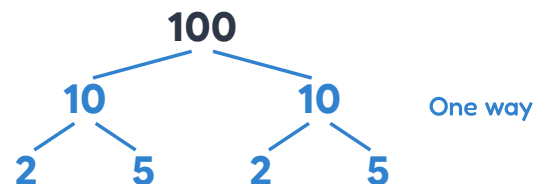
Jay had $1\frac{2}{3}$ cups of juice. He poured in $2\frac{5}{12}$ cups more, then drank $1\frac{1}{2}$ cups. How much juice is left?

Answer: $\boxed{2}\frac{\boxed{7}}{\boxed{12}}$ cups or $\frac{31}{12}$

Lesson 7.9 · Fraction story problems

12. Circle the prime numbers. Then make a factor tree for 100.

22 **67** 69 **79** 88 99



$100 = \underline{2 \times 2 \times 5 \times 5}$ Any order

Lesson 7.1 · Prime numbers and factor trees