

Add and Subtract Fractions

Unit Test, Form A (page 1 of 2)

Score _____ / 11

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

GCF of 24 and 36 =

$$\frac{24}{36} = \frac{\boxed{}}{\boxed{}}$$

2. Use the least common denominator. Write >, < or =.

$$\frac{2}{5} = \frac{\boxed{}}{\boxed{}} \quad \frac{5}{12} = \frac{\boxed{}}{\boxed{}}$$

$$\frac{2}{5} \bigcirc \frac{5}{12}$$

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



$$\frac{1}{4} + \frac{1}{5} = \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

4. Add. Answer in simplest form.

$$\frac{2}{5} + \frac{1}{10} = \frac{\boxed{}}{\boxed{}} \quad \frac{5}{8} + \frac{1}{12} = \frac{\boxed{}}{\boxed{}}$$

5. Subtract. Answer in simplest form.

$$\frac{7}{10} - \frac{1}{6} = \frac{\boxed{}}{\boxed{}} \quad \frac{7}{8} - \frac{2}{5} = \frac{\boxed{}}{\boxed{}}$$

6. Add. Write each sum in simplest form.

$$3\frac{5}{8} + 1\frac{7}{12} = \boxed{}\frac{\boxed{}}{\boxed{}}$$

$$1\frac{1}{6} + 2\frac{1}{12} = \boxed{}\frac{\boxed{}}{\boxed{}}$$

Add and Subtract Fractions

Unit Test, Form A (page 2 of 2)

7. Subtract. Write each answer in simplest form.

$$6\frac{1}{8} - 2\frac{5}{12} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

$$7 - 3\frac{4}{5} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

8. Estimate. Does each answer make sense? Circle Yes or No.

$$\frac{7}{8} + \frac{1}{10} = \frac{39}{40}$$

Yes

No

$$\frac{9}{10} - \frac{1}{8} = \frac{1}{4}$$

Yes

No

9. Solve. Answer in simplest form.

Mia picked $2\frac{2}{3}$ pounds of apples and $1\frac{2}{5}$ pounds of pears. How many pounds of fruit did she pick?

Answer:

pounds

10. Solve. Answer in simplest form.

Rosa had 6 cups of milk. She used $1\frac{3}{4}$ cups for pancakes and $2\frac{11}{12}$ cups for soup. How much milk is left?

Answer:

cups

11. Circle the prime numbers. Then make a factor tree for 72.

13 26 33 43 61 74

72

72 = _____

Add and Subtract Fractions

Unit Test, Form B (page 1 of 2)

Score _____ / 11

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

GCF of 45 and 60 =

$$\frac{45}{60} = \frac{\boxed{}}{\boxed{}}$$

2. Use the least common denominator. Write $>$, $<$ or $=$.

$$\frac{7}{8} = \frac{\boxed{}}{\boxed{}} \quad \frac{4}{5} = \frac{\boxed{}}{\boxed{}}$$

$$\frac{7}{8} \bigcirc \frac{4}{5}$$

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



$$\frac{1}{3} + \frac{1}{8} = \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

4. Add. Answer in simplest form.

$$\frac{1}{6} + \frac{7}{12} = \frac{\boxed{}}{\boxed{}} \quad \frac{2}{3} + \frac{3}{10} = \frac{\boxed{}}{\boxed{}}$$

5. Subtract. Answer in simplest form.

$$\frac{9}{10} - \frac{5}{6} = \frac{\boxed{}}{\boxed{}} \quad \frac{7}{12} - \frac{3}{8} = \frac{\boxed{}}{\boxed{}}$$

6. Add. Write each sum in simplest form.

$$1\frac{7}{8} + 2\frac{5}{12} = \boxed{}\frac{\boxed{}}{\boxed{}}$$

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

Add and Subtract Fractions

Unit Test, Form B (page 2 of 2)

7. Subtract. Write each answer in simplest form.

$$5\frac{1}{10} - 1\frac{3}{4} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

$$8 - 4\frac{2}{3} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

8. Estimate. Does each answer make sense? Circle Yes or No.

$$\frac{3}{8} + \frac{1}{12} = \frac{11}{24}$$

Yes

No

$$\frac{11}{12} - \frac{1}{6} = \frac{1}{5}$$

Yes

No

9. Solve. Answer in simplest form.

Leo rode his bike $2\frac{5}{8}$ miles to the library and $1\frac{5}{12}$ miles to the park. How far did he ride in all?

Answer:

miles

10. Solve. Answer in simplest form.

Max had 7 yards of rope. He cut off $1\frac{11}{12}$ yards for a swing and $1\frac{1}{3}$ yards for a leash. How much rope is left?

Answer:

yards

11. Circle the prime numbers. Then make a factor tree for 80.

17 31 63 68 73 81

80

80 = _____

Add and Subtract Fractions

Unit Test, Form A (page 1 of 2)

Score _____ / 11

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

$$\text{GCF of 24 and 36} = \boxed{12}$$

$$\frac{24}{36} = \frac{\boxed{2}}{\boxed{3}}$$

Lesson 7.2 · Simplest form and the GCF

2. Use the least common denominator. Write $>$, $<$ or $=$.

$$\frac{2}{5} = \frac{\boxed{24}}{\boxed{60}} \quad \frac{5}{12} = \frac{\boxed{25}}{\boxed{60}}$$

$$\frac{2}{5} \quad \boxed{<} \quad \frac{5}{12}$$

Lesson 7.3 · Common denominators

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



$$\frac{1}{4} + \frac{1}{5} = \frac{\boxed{5}}{\boxed{20}} + \frac{\boxed{4}}{\boxed{20}} = \frac{\boxed{9}}{\boxed{20}}$$

Lesson 7.4 · Add fractions with unlike denominators

4. Add. Answer in simplest form.

$$\frac{2}{5} + \frac{1}{10} = \frac{\boxed{1}}{\boxed{2}} \quad \frac{5}{8} + \frac{1}{12} = \frac{\boxed{17}}{\boxed{24}}$$

Lesson 7.4 · Add fractions with unlike denominators

5. Subtract. Answer in simplest form.

$$\frac{7}{10} - \frac{1}{6} = \frac{\boxed{8}}{\boxed{15}} \quad \frac{7}{8} - \frac{2}{5} = \frac{\boxed{19}}{\boxed{40}}$$

Lesson 7.5 · Subtract fractions with unlike denominators

6. Add. Write each sum in simplest form.

$$3\frac{5}{8} + 1\frac{7}{12} = \boxed{5} \frac{\boxed{5}}{\boxed{24}} \text{ or } \frac{125}{24}$$

$$1\frac{1}{6} + 2\frac{1}{12} = \boxed{3} \frac{\boxed{1}}{\boxed{4}} \text{ or } \frac{13}{4}$$

Lesson 7.6 · Add mixed numbers

Add and Subtract Fractions

Unit Test, Form A (page 2 of 2)

7. Subtract. Write each answer in simplest form.

$$6\frac{1}{8} - 2\frac{5}{12} = \boxed{3}\frac{\boxed{17}}{\boxed{24}} \text{ or } \frac{89}{24}$$

$$7 - 3\frac{4}{5} = \boxed{3}\frac{\boxed{1}}{\boxed{5}} \text{ or } \frac{16}{5}$$

Lesson 7.7 · Subtract mixed numbers

8. Estimate. Does each answer make sense? Circle Yes or No.

$$\frac{7}{8} + \frac{1}{10} = \frac{39}{40} \quad \boxed{\text{Yes}} \quad \text{No}$$

$$\frac{9}{10} - \frac{1}{8} = \frac{1}{4} \quad \text{Yes} \quad \boxed{\text{No}}$$

Lesson 7.8 · Estimate with benchmarks

9. Solve. Answer in simplest form.

Mia picked $2\frac{2}{3}$ pounds of apples and $1\frac{2}{5}$ pounds of pears. How many pounds of fruit did she pick?

Answer: $\boxed{4\frac{1}{15}}$ pounds or $\frac{61}{15}$

Lesson 7.9 · Fraction story problems

10. Solve. Answer in simplest form.

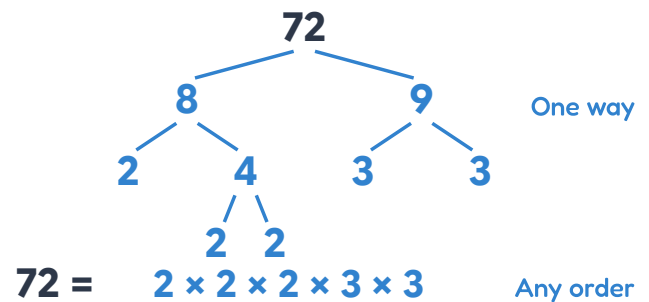
Rosa had 6 cups of milk. She used $1\frac{3}{4}$ cups for pancakes and $2\frac{11}{12}$ cups for soup. How much milk is left?

Answer: $\boxed{1\frac{1}{3}}$ cups or $\frac{4}{3}$

Lesson 7.9 · Fraction story problems

11. Circle the prime numbers. Then make a factor tree for 72.

$\boxed{13}$ 26 33 $\boxed{43}$ $\boxed{61}$ 74



Lesson 7.1 · Prime numbers and factor trees

Add and Subtract Fractions

Unit Test, Form B (page 1 of 2)

Score _____ / 11

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

$$\text{GCF of 45 and 60} = \boxed{15}$$

$$\frac{45}{60} = \frac{\boxed{3}}{\boxed{4}}$$

Lesson 7.2 · Simplest form and the GCF

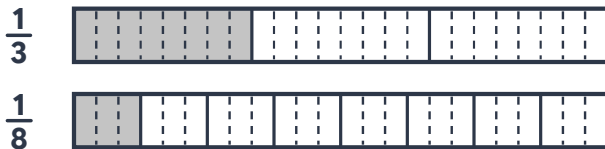
2. Use the least common denominator. Write $>$, $<$ or $=$.

$$\frac{7}{8} = \frac{\boxed{35}}{\boxed{40}} \quad \frac{4}{5} = \frac{\boxed{32}}{\boxed{40}}$$

$$\frac{7}{8} \quad \boxed{>} \quad \frac{4}{5}$$

Lesson 7.3 · Common denominators

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



$$\frac{1}{3} + \frac{1}{8} = \frac{\boxed{8}}{\boxed{24}} + \frac{\boxed{3}}{\boxed{24}} = \frac{\boxed{11}}{\boxed{24}}$$

Lesson 7.4 · Add fractions with unlike denominators

4. Add. Answer in simplest form.

$$\frac{1}{6} + \frac{7}{12} = \frac{\boxed{3}}{\boxed{4}} \quad \frac{2}{3} + \frac{3}{10} = \frac{\boxed{29}}{\boxed{30}}$$

Lesson 7.4 · Add fractions with unlike denominators

5. Subtract. Answer in simplest form.

$$\frac{9}{10} - \frac{5}{6} = \frac{\boxed{1}}{\boxed{15}} \quad \frac{7}{12} - \frac{3}{8} = \frac{\boxed{5}}{\boxed{24}}$$

Lesson 7.5 · Subtract fractions with unlike denominators

6. Add. Write each sum in simplest form.

$$1\frac{7}{8} + 2\frac{5}{12} = \boxed{4}\frac{\boxed{7}}{\boxed{24}} \text{ or } \frac{103}{24}$$

$$2\frac{1}{2} + 3\frac{1}{10} = \boxed{5}\frac{\boxed{3}}{\boxed{5}} \text{ or } \frac{28}{5}$$

Lesson 7.6 · Add mixed numbers

Add and Subtract Fractions

Unit Test, Form B (page 2 of 2)

7. Subtract. Write each answer in simplest form.

$$5\frac{1}{10} - 1\frac{3}{4} = \boxed{3}\frac{\boxed{7}}{\boxed{20}} \text{ or } \frac{67}{20}$$

$$8 - 4\frac{2}{3} = \boxed{3}\frac{\boxed{1}}{\boxed{3}} \text{ or } \frac{10}{3}$$

Lesson 7.7 · Subtract mixed numbers

8. Estimate. Does each answer make sense? Circle Yes or No.

$$\frac{3}{8} + \frac{1}{12} = \frac{11}{24} \quad \boxed{\text{Yes}} \quad \text{No}$$

$$\frac{11}{12} - \frac{1}{6} = \frac{1}{5} \quad \text{Yes} \quad \boxed{\text{No}}$$

Lesson 7.8 · Estimate with benchmarks

9. Solve. Answer in simplest form.

Leo rode his bike $2\frac{5}{8}$ miles to the library and $1\frac{5}{12}$ miles to the park. How far did he ride in all?

Answer: $\boxed{4}\frac{\boxed{1}}{\boxed{24}}$ miles or $\frac{97}{24}$

Lesson 7.9 · Fraction story problems

10. Solve. Answer in simplest form.

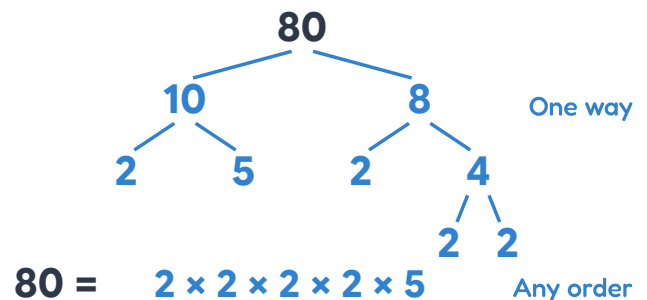
Max had 7 yards of rope. He cut off $1\frac{11}{12}$ yards for a swing and $1\frac{1}{3}$ yards for a leash. How much rope is left?

Answer: $\boxed{3}\frac{\boxed{3}}{\boxed{4}}$ yards or $\frac{15}{4}$

Lesson 7.9 · Fraction story problems

11. Circle the prime numbers. Then make a factor tree for 80.

$\boxed{17}$ $\boxed{31}$ 63 68 $\boxed{73}$ 81



Lesson 7.1 · Prime numbers and factor trees