

2-3 Classwork/Homework (Factors and Prime Factorizations)

List the factors for each of the following:

1. 18

2. 42

3. 30

4. 28

Express the following as a product of prime factors

5. 24

6. 16

7. 30

8. 75

Determine the Least Common Multiple (LCM) of the following:

9. 18 and 24

10. 20 and 30

11. 15 and 45

12. 16 and 40

2-4 Classwork/Homework (Simplifying Fractions)

Reduce the following fractions

1) $\frac{9}{54} = \underline{\quad}$

11) $\frac{14}{28} = \underline{\quad}$

21) $\frac{48}{54} = \underline{\quad}$

2) $\frac{18}{63} = \underline{\quad}$

12) $\frac{16}{20} = \underline{\quad}$

22) $\frac{40}{100} = \underline{\quad}$

3) $\frac{8}{16} = \underline{\quad}$

13) $\frac{10}{20} = \underline{\quad}$

23) $\frac{2}{4} = \underline{\quad}$

4) $\frac{2}{20} = \underline{\quad}$

14) $\frac{8}{24} = \underline{\quad}$

24) $\frac{28}{42} = \underline{\quad}$

5) $\frac{25}{30} = \underline{\quad}$

15) $\frac{6}{24} = \underline{\quad}$

25) $\frac{18}{24} = \underline{\quad}$

6) $\frac{9}{18} = \underline{\quad}$

16) $\frac{10}{70} = \underline{\quad}$

26) $\frac{24}{40} = \underline{\quad}$

7) $\frac{16}{20} = \underline{\quad}$

17) $\frac{81}{90} = \underline{\quad}$

27) $\frac{35}{49} = \underline{\quad}$

8) $\frac{18}{81} = \underline{\quad}$

18) $\frac{6}{30} = \underline{\quad}$

28) $\frac{18}{27} = \underline{\quad}$

9) $\frac{6}{9} = \underline{\quad}$

19) $\frac{36}{48} = \underline{\quad}$

29) $\frac{12}{48} = \underline{\quad}$

2-5 Classwork/Homework (Comparing and Ordering)

Compare the fractions and write $>$, $<$ or $=$ in the box.

1. $\frac{7}{13}$ $\frac{1}{14}$

2. $\frac{4}{10}$ $\frac{1}{7}$

3. $\frac{6}{9}$ $\frac{12}{13}$

4. $\frac{7}{13}$ $\frac{1}{14}$

5. $\frac{5}{7}$ $\frac{6}{14}$

6. $\frac{15}{16}$ $\frac{9}{11}$

7. $\frac{7}{14}$ $\frac{1}{5}$

8. $\frac{8}{16}$ $\frac{13}{14}$

2-6 Classwork/Homework (Fractions and Decimal Conversion)

Write the following fractions as decimals.

1 a. $\frac{3}{4} =$

1 b. $\frac{4}{10} =$

2 a. $\frac{91}{100} =$

2 b. $\frac{2}{10} =$

3 a. $\frac{74}{100} =$

3 b. $\frac{1}{2} =$

Convert to fractions.

1. $0.83 =$ _____

2. $0.4 =$ _____

3. $0.24 =$ _____

4. $0.96 =$ _____

5. $0.6 =$ _____

6. $0.2 =$ _____

7. $0.7 =$ _____

8. $0.19 =$ _____

9. $0.95 =$ _____

10. $0.1 =$ _____

4-1 Classwork/Homework (Adding and Subtracting Fractions)

Add or subtract the following

1. $\frac{1}{16} + \frac{2}{16} =$

2. $\frac{1}{10} + \frac{4}{10} =$

3. $\frac{8}{17} - \frac{5}{17} =$

4. $\frac{8}{14} - \frac{1}{14} =$

5. $\frac{-1}{3} + \frac{2}{3} =$

6. $\frac{1}{2} - \frac{-1}{2} =$

7. $\frac{1}{2} + \frac{5}{6} =$

8. $\frac{6}{10} - \frac{4}{5} =$

9. $\frac{-3}{4} + \frac{3}{8} =$

10. $\frac{1}{6} + \frac{1}{3} =$

11. $\frac{2}{5} - \frac{1}{3} =$

12. $\frac{5}{8} - \frac{5}{6} =$

4-2 Classwork/Homework (Adding and Subtracting Fractions)

Add

$$1) \quad \frac{1}{5} + \frac{1}{10} =$$

$$2) \quad \frac{4}{5} + \frac{5}{10} =$$

$$3) \quad \frac{2}{10} + \frac{1}{3} =$$

$$4) \quad \frac{1}{10} + \frac{1}{2} =$$

$$5) \quad \frac{1}{2} + \frac{1}{4} =$$

$$6) \quad \frac{2}{3} + \frac{2}{4} =$$

$$7) \quad \frac{2}{4} + \frac{2}{3} =$$

Subtract

$$1) \quad \frac{4}{5} - \frac{1}{2} =$$

$$2) \quad \frac{7}{10} - \frac{1}{5} =$$

$$3) \quad \frac{1}{2} - \frac{1}{3} =$$

$$4) \quad \frac{3}{4} - \frac{1}{2} =$$

$$5) \quad \frac{1}{2} - \frac{1}{4} =$$

$$6) \quad \frac{2}{3} - \frac{1}{4} =$$

$$7) \quad \frac{1}{4} - \frac{1}{5} =$$

4-3 Classwork/Homework (Multiplying and Dividing Fractions)

Multiply

1) $\frac{2}{4} \times \frac{1}{2} =$

2) $\frac{1}{2} \times \frac{1}{3} =$

3) $\frac{2}{4} \times \frac{1}{3} =$

4) $\frac{2}{3} \times \frac{1}{2} =$

5) $\frac{3}{5} \times \frac{1}{2} =$

6) $\frac{3}{5} \times \frac{1}{3} =$

7) $\frac{1}{10} \times \frac{2}{3} =$

8) $\frac{1}{3} \times \frac{1}{2} =$

9) $\frac{1}{3} \times \frac{2}{4} =$

10) $\frac{1}{2} \times \frac{2}{3} =$

Divide

1) $\frac{3}{5} \div \frac{1}{2} =$

2) $\frac{2}{4} \div \frac{1}{2} =$

3) $\frac{5}{10} \div \frac{1}{5} =$

4) $\frac{2}{4} \div \frac{2}{3} =$

5) $\frac{2}{10} \div \frac{1}{2} =$

6) $\frac{2}{3} \div \frac{1}{2} =$

7) $\frac{1}{2} \div \frac{6}{10} =$

8) $\frac{1}{2} \div \frac{9}{10} =$

9) $\frac{1}{5} \div \frac{2}{3} =$

10) $\frac{3}{5} \div \frac{1}{3} =$