Write Decimal Numbers in Expanded Form

1) 300 + 60 + 4 + 0.3 + 0.01 + 0.001 _____

2) 80,000 + 7,000 + 300 + 80 + 1 + 0.9 _____

3) 4,000 + 100 + 90 + 4 + 0.3 _____

4) 40,000 + 2,000 + 90 + 2 + 0.7 _____

5) 7,000 + 200 + 50 + 5 + 0.5 + 0.01 _____

6) 40,000 + 6,000 + 50 + 1 + 0.8 _____

7) 900 + 30 + 6 + 0.7 + 0.01 + 0.007 _____

8) 700 + 70 + 9 + 0.08 _____

9) 900 + 50 + 6 + 0.8 + 0.03 + 0.007 _____

Write Numbers in Scientific Notation

1) 87, 000, 000 _____

2) 7,800 _____

3) 6, 660, 000 _____

4) 68, 000 _____

5) 24, 000 _____

6) 86, 000, 000 _____

7) 89, 000 _____

8) 520, 000 _____

9) 1, 042, 000 _____

Addition with Missing Numbers

1) _____ + 91 + 5624 + 912 = 6677

2) 38 + 58 + 8798 + _____ = 9543

3) 10566 = 849 + _____ + 62 + 97

4) _____ + 956 + 6348 + 79 = 7399

5) 5519 = _____ + 282 + 5206 + 22

6) 3718 + 40 + _____ + 58 = 4531

7) 48 + 358 + 6244 + _____ = 6699

8) 4504 = 3912 + _____ + 575 + 7

9) _____ + 411 + 4644 + 71 = 5201

Subtraction with Missing Numbers

1) 90,163 - _____ = 86,905

2) 33,008 - _____ = 32,159

3) _____ - 3,998 = 3,872

4) 94,189 -_____ = 92,330

5) _____ - 9,298 = 53,678

6) _____ - 968 = 2373

7) 43,779 - _____ = 39,273

8) _____ - 7,090 = 53,654

9) 9,543 - _____ = 1,746

Multiplication with 3 and 4 Digits

677 × 74	254 × 68	620 × 50
3,323 × 76	2,841 × 45	8,976 × 51
680 × 140	267 × 917	660 × 183
9,309 × 931	6,337 × 182	9,899 × 867

Division Problems with Missing Numbers

1) 2,992 ÷ _____ = 272

2) _____ ÷ 24 = 159

3) 2,718 ÷ 18 = _____

4) _____ ÷ 16 = 228

5) 2,938 ÷ 13 = _____

6) 5,382 ÷ _____ = 299

7) 1,764 ÷ 12 = _____

8) _____ ÷ 20 = 146

9) 2,323 ÷ 23 = _____

Multiplication & Division of Fractions

Solve the multiplication problems:

1. $6\frac{8}{9} \times 12\frac{1}{2} =$ _____
2. $4\frac{3}{6} \times 11\frac{7}{12} =$ _____
3. $3\frac{3}{6} \times 1\frac{1}{3} =$ _____
4. $\frac{7}{9} \times 6\frac{2}{5} =$ _____
5. $\frac{4}{5} \times 6\frac{3}{4} =$ _____
6. $\frac{4}{10} \times 4\frac{1}{3} =$ _____
7. $\frac{4}{8} \times \frac{43}{7} =$ _____
8. $\frac{4}{12} \times \frac{19}{3} =$ _____
9. $\frac{2}{5} \times \frac{19}{4} =$ _____

Solve the division problems:

1. $1\frac{2}{3} \div 5 =$ _____
2. $13\frac{5}{9} \div 5 =$ _____
3. $\frac{100}{7} \div 4\frac{1}{3} =$ _____
4. $\frac{7}{2} \div 5\frac{6}{8} =$ _____
5. $17 \div \frac{9}{5} =$ _____
6. $13 \div \frac{59}{12} =$ _____

Simplify the Fractions

Simplify each of the below fractions:

1. $\frac{4}{8}$ = _____

2. $\frac{14}{50}$ = _____

3. $\frac{46}{60}$ = _____

4. $\frac{81}{126}$ = _____

5. $\frac{54}{72}$ = _____

6. $\frac{8}{128}$ = _____

7. $\frac{35}{60}$ = _____

8. $\frac{72}{108}$ = _____

9. $\frac{5}{30}$ = _____

10. $\frac{18}{36}$ = _____

11. $\frac{6}{18}$ = _____

12. $\frac{16}{24}$ = _____

13. $\frac{12}{32}$ = _____

14. $\frac{8}{96}$ = _____

Converting Fractions & Decimals

Convert the following fractions to decimals:

1. $\frac{63}{100}$ = _____
2. $\frac{6}{10}$ = _____
3. $\frac{4}{100}$ = _____
4. $\frac{17}{100}$ = _____
5. $\frac{7}{10}$ = _____
6. $\frac{1}{10}$ = _____

Convert the following decimals fractions:

1. 0.7 = _____
2. 0.38 = _____
3. 0.1 = _____
4. 0.61 = _____
5. 0.86 = _____
6. 0.6 = _____
7. 0.33 = _____
8. 0.27 = _____

Convert Fractions to Percent %

1. $\frac{7}{10}$ = _____

2. $\frac{23}{100}$ = _____

3. $\frac{9}{10}$ = _____

4. $\frac{54}{100}$ = _____

5. $\frac{4}{10}$ = _____

6. $\frac{42}{100}$ = _____

7. $\frac{2}{10}$ = _____

8. $\frac{79}{100}$ = _____

9. $\frac{65}{100}$ = _____

10. $\frac{3}{10}$ = _____

11. $\frac{62}{100}$ = _____

12. $\frac{12}{100}$ = _____

13. $\frac{72}{100}$ = _____

14. $\frac{1}{10}$ = _____

15. $7\frac{48}{100}$ = _____

16. $5\frac{7}{10}$ = _____

Finding the Percentage %

1) 50% of 50 = _____

2) 60% of 70 = _____

3) 40% of 80 = _____

4) 100% of 90 = _____

5) 70% of 60 = _____

6) 10% of 50 = _____

7) 80% of 40 = _____

8) 30% of 30 = _____

9) 80% of 90 = _____

Finding the Percentage %

Calculate the % of each value (E.g. 10% of 50 = 5)

1) _____ of 60 = 38.4

2) _____ of 8 = 5.84

3) _____ of 2 = 1.84

4) _____ of 6 = 2.28

5) _____ of 9 = 4.59

6) _____ of 50 = 16.5

7) _____ of 4 = 1.96

8) _____ of 90 = 23.4

9) _____ of 40 = 35.2

Addition of Integers

1. $-2 + 3 =$ _____ 2. $0 + -6 =$ _____ 3. $7 + 1 =$ _____

4. $-6 + 4 =$ _____ 5. $2 + 4 =$ _____ 6. $5 + 10 =$ _____

7. $-6 + 0 =$ _____ 8. $-9 + -1 =$ _____ 9. $0 + -4 =$ _____

10. $-5 + -5 =$ _____ 11. $-8 + -2 =$ _____ 12. $-8 + -1 =$ _____

13. $1 + -7 =$ _____ 14. $5 + -6 =$ _____ 15. $-3 + -3 =$ _____

16. $-4 + -9 =$ _____ 17. $-8 + -7 =$ _____ 18. $3 + -5 =$ _____

19. $-3 + -2 =$ _____ 20. $-8 + -5 =$ _____ 21. $7 + 7 =$ _____

22. $6 + -1 =$ _____ 23. $10 + 0 =$ _____ 24. $5 + -5 =$ _____