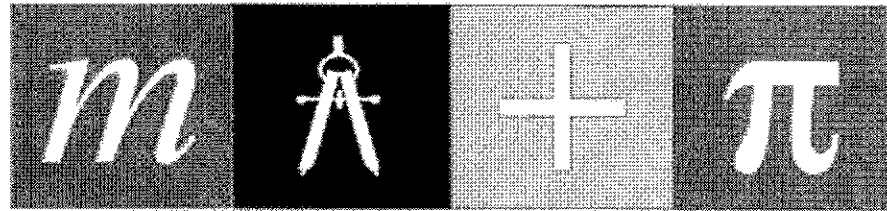


Carusi Middle School

SUMMER



ASSIGNMENT

for students entering
6th Grade

NO CALCULATOR SHOULD BE USED IN COMPLETION OF THIS PACKET!

Show all work on each page using pencil only. If more room is required, attach lined paper to the packet.

*****Please bring this packet with you the first day of school *****

NAME: _____



Multiplication (Vertical)

Name: _____

Solve each problem.

$$\begin{array}{r} 1) \quad 71 \\ \times 48 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 241 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 936 \\ \times 65 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 5,866 \\ \times 77 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 862 \\ \times 24 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 955 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 715 \\ \times 49 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 7,274 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 245 \\ \times 66 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 28 \\ \times 60 \\ \hline \end{array}$$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Dividing Whole Numbers

Name: _____

Solve each problem.

1) $90 \overline{) 6,079}$

2) $69 \overline{) 8,418}$

3) $22 \overline{) 5,258}$

4) $93 \overline{) 5,617}$

5) $21 \overline{) 2,541}$

6) $35 \overline{) 8,260}$

7) $63 \overline{) 6,550}$

8) $41 \overline{) 5,288}$

9) $95 \overline{) 5,225}$

10) $87 \overline{) 5,307}$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Multiplying Multiples of 10

Name: _____

Solve each problem.

1) $100 \times 700 =$ _____

2) $6,000 \times 500 =$ _____

3) $50 \times 600 =$ _____

4) $7,000 \times 8,000 =$ _____

5) $10 \times 700 =$ _____

6) $700 \times 7,000 =$ _____

7) $50 \times 500 =$ _____

8) $300 \times 300 =$ _____

9) $800 \times 60 =$ _____

10) $90 \times 1,000 =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Dividing with Multiples of Ten

Name: _____

Solve each problem.

1) $54,000 \div 9,000 =$ _____

2) $600 \div 20 =$ _____

3) $900 \div 900 =$ _____

4) $120 \div 30 =$ _____

5) $350 \div 70 =$ _____

6) $4,500 \div 90 =$ _____

7) $7,000 \div 7,000 =$ _____

8) $12,000 \div 40 =$ _____

9) $240 \div 60 =$ _____

10) $12,000 \div 3,000 =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

5

Practice

Working with Decimals

Directions: Write the following numbers in words.

1. .9 _____

2. .306 _____

3. .042 _____

4. 6.03 _____

5. 80.7 _____

6. 234.612 _____

7. 68.0035 _____

8. .1234 _____

9. 1.234 _____

10. 12.34 _____

Directions: Change the words below into numbers.

11. forty-three hundredths

12. forty and three hundredths

13. seventeen thousandths

14. eighty-six and six tenths

15. five hundred eight ten thousandths

16. five and four hundredths

Directions: List in order from least to greatest.

17. 12.444; 12.140; 12.404; 12,400

18. 0.96; 10.96; 0.9666; 109.6

19. 0.5; 0.55; 0.505; 0.055

20. 5.01; 50.1; 0.51; 0.15

Directions: For problems 21–23, round to the nearest whole number. For problems 24–27, round to the nearest tenth. For problems 28–30, round to the nearest hundredth.

21. 3.75 _____

25. 0.183 _____

29. 1.059 _____

22. 26.8 _____

26. 7.601 _____

30. 27.389 _____

23. 21.04 _____

27. 18.718 _____

24. 5.62 _____

28. 304.8146 _____

Directions: Add or subtract the decimal amounts.

$$\begin{array}{r} 31. \quad 57.86 \\ \quad 98.37 \\ \quad 46.31 \\ \quad 70.63 \\ \quad + 82.97 \\ \hline \end{array}$$

$$\begin{array}{r} 32. \quad \$3.16 \\ \quad \$8.48 \\ \quad \$0.65 \\ \quad + \$0.73 \\ \hline \end{array}$$

$$\begin{array}{r} 33. \quad \$275.58 \\ \quad - \$111.82 \\ \hline \end{array}$$

$$\begin{array}{r} 34. \quad 4,782.72 \\ \quad - 214.89 \\ \hline \end{array}$$



Use '<', '>' or '=' to compare the numbers.

- 1) 7.9 _____ 7.85
- 2) 9.664 _____ 1.664
- 3) 7.46 _____ 7.971
- 4) 1.2 _____ 1.2
- 5) 2.721 _____ 2.984
- 6) 6.3 _____ 7.3
- 7) 1.2 _____ 1.6
- 8) 2.28 _____ 2.69
- 9) 7.427 _____ 7.724
- 10) 2.7 _____ 2.9
- 11) 7.28 _____ 7.747
- 12) 1.48 _____ 1.480

- 13) 1.02 _____ 1.0
- 14) 7.1 _____ 7.5
- 15) 9.28 _____ 9.88
- 16) 6.1 _____ 6.9
- 17) 6.84 _____ 6.511
- 18) 7.27 _____ 7.76
- 19) 3.11 _____ 3.1
- 20) 4.969 _____ 4.996

Answers

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____
- 13. _____
- 14. _____
- 15. _____
- 16. _____
- 17. _____
- 18. _____
- 19. _____
- 20. _____



Multiplying with Decimals

Name: _____

Solve each problem.

$$\begin{array}{r} 1) \quad 703 \\ \times \quad 1.9 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 2.4 \\ \times \quad 46 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 9.84 \\ \times \quad 22 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 6.1 \\ \times \quad 6.5 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 8.41 \\ \times \quad 5.0 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 8.9 \\ \times \quad 7.0 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 3.53 \\ \times \quad 80 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 8.8 \\ \times \quad 5.7 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 258 \\ \times \quad 7.1 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 2.1 \\ \times \quad 5.3 \\ \hline \end{array}$$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Directions: Change the improper fractions to mixed numbers. Remember to reduce to lowest terms.

1. $\frac{7}{4} =$

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

5. $\frac{11}{5} =$

7. $\frac{15}{7} =$

9. $\frac{34}{16} =$

2. $\frac{9}{5} =$

4. $\frac{8}{5} =$

6. $\frac{14}{8} =$

8. $\frac{22}{10} =$

10. $\frac{40}{8} =$

Directions: Change the mixed number to an improper fraction.

11. $1\frac{3}{4} =$

13. $2\frac{1}{4} =$

15. $3\frac{2}{5} =$

17. $5\frac{2}{3} =$

19. $5\frac{1}{8} =$

12. $1\frac{3}{5} =$

14. $2\frac{7}{8} =$

16. $4\frac{1}{3} =$

18. $11\frac{1}{2} =$

20. $4\frac{5}{12} =$

Directions: Reduce the fraction to lowest terms.

21. $\frac{2}{4} =$

23. $\frac{3}{12} =$

25. $\frac{9}{27} =$

27. $\frac{14}{28} =$

29. $\frac{50}{75} =$

22. $\frac{4}{6} =$

24. $\frac{8}{12} =$

26. $\frac{12}{26} =$

28. $\frac{10}{30} =$

30. $\frac{111}{222} =$

Directions: Raise the fraction to higher terms.

31. $\frac{1}{5}$ to 15ths = $\frac{1}{5} = \frac{3}{15}$

33. $\frac{2}{8}$ to 16ths =

35. $\frac{5}{7}$ to 35ths =

37. $\frac{2}{3}$ to 18ths =

32. $\frac{3}{4}$ to 12ths =

34. $\frac{3}{20}$ to 40ths =

36. $\frac{1}{6}$ to 36ths =

38. $\frac{2}{9}$ to 45ths =

Directions: Add the fractions. Remember to reduce to lowest terms.

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

41. $\frac{7}{11} + \frac{4}{11} =$

43. $\frac{2}{7} + \frac{6}{7} =$

45. $1\frac{5}{8} + \frac{7}{8} =$

40. $\frac{3}{7} + \frac{2}{7} =$

42. $\frac{6}{3} + \frac{4}{3} =$

44. $2\frac{3}{4} + \frac{5}{4} =$

46. $2\frac{1}{3} + 4\frac{4}{3} =$

Directions: Add the fractions. Remember to find a common denominator and then reduce to lowest terms.

47. $\frac{5}{8} + \frac{3}{4} =$

50. $6\frac{5}{8} + 7\frac{11}{24} =$

53. $8\frac{1}{6} + 3\frac{7}{24} =$

48. $\frac{4}{7} + \frac{9}{28} =$

51. $\frac{2}{3} + \frac{7}{12} + \frac{3}{4} =$

54. $5\frac{6}{35} + 9\frac{2}{7} =$

49. $\frac{5}{9} + \frac{11}{36} =$

52. $\frac{3}{5} + \frac{1}{2} + \frac{7}{10} =$

55. $\frac{13}{20} + \frac{4}{5} + \frac{1}{4} =$

2

Practice

Subtracting Fractions

Directions: Subtract the fractions. Remember, to reduce the fractions to lowest terms.

1. $\frac{4}{5} - \frac{2}{5} =$

5. $\frac{17}{23} - \frac{11}{23} =$

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

13. $\frac{5}{6} - \frac{5}{18} =$

2. $\frac{9}{10} - \frac{4}{10} =$

6. $\frac{20}{21} - \frac{17}{21} =$

10. $\frac{7}{8} - \frac{1}{4} =$

14. $\frac{19}{20} - \frac{1}{4} =$

3. $\frac{7}{12} - \frac{6}{12} =$

7. $\frac{7}{8} - \frac{3}{8} =$

11. $\frac{7}{10} - \frac{1}{5} =$

15. $\frac{3}{4} - \frac{1}{2} =$

4. $\frac{6}{7} - \frac{2}{7} =$

8. $\frac{7}{15} - \frac{6}{15} =$

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

16. $\frac{13}{15} - \frac{7}{30} =$

Directions: Subtract the fraction from the whole number.

17.
$$\begin{array}{r} 5 \\ - \frac{3}{4} \\ \hline \end{array}$$

19.
$$\begin{array}{r} 4 \\ - \frac{3}{8} \\ \hline \end{array}$$

21.
$$\begin{array}{r} 12 \\ - \frac{12}{25} \\ \hline \end{array}$$

23.
$$\begin{array}{r} 5 \\ - \frac{1}{4} \\ \hline \end{array}$$

25.
$$\begin{array}{r} 13 \\ - \frac{11}{22} \\ \hline \end{array}$$

Keys to Subtracting Fractions

- If the denominators in the fractions are not alike, find the lowest common denominator.
- Regroup if a minuend (the number you subtract from) is a whole number or the fraction in a minuend is smaller than the fraction in a subtrahend (the number being subtracted).
- Subtract the fractions first and then subtract the whole numbers.

Directions: Subtract the mixed numbers. Remember, reduce to the lowest term.

$$\begin{array}{r} 1. \quad 9\frac{7}{8} \\ -6\frac{5}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 6 \\ -5\frac{7}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 4\frac{2}{9} \\ -1\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 15\frac{9}{10} \\ -7\frac{7}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 9 \\ -2\frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 12\frac{1}{4} \\ -3\frac{5}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 14\frac{19}{24} \\ -8\frac{5}{24} \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 7 \\ -3\frac{4}{11} \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 20\frac{5}{12} \\ -9\frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 11\frac{5}{6} \\ -5\frac{1}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 8\frac{4}{13} \\ -6\frac{5}{13} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 6\frac{7}{8} \\ -3\frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 6\frac{1}{4} \\ -3\frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 5 \\ -1\frac{4}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 10\frac{3}{5} \\ -8\frac{3}{4} \\ \hline \end{array}$$



Multiplying Fractions

Name: _____

Solve each problem. Answer as a mixed fraction (if possible). Reduce if possible.

1) $\frac{2}{3} \times \frac{4}{5} =$

2) $\frac{4}{5} \times \frac{2}{3} =$

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

4) $\frac{4}{5} \times \frac{4}{5} =$

5) $\frac{3}{4} \times \frac{2}{5} =$

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

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

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

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

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

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

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

Answers

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____

3

Practice

..... Multiplying Fractions

Directions: Multiply the fractions and whole numbers. Use canceling whenever you can.

1. $\frac{1}{4} \times 5 =$

5. $\frac{2}{7} \times 6 =$

9. $\frac{2}{9} \times 4 =$

13. $8 \times \frac{2}{3} =$

2. $4 \times \frac{2}{3} =$

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

10. $\frac{3}{8} \times 3 =$

14. $7 \times \frac{2}{3} =$

3. $\frac{1}{6} \times 7 =$

7. $\frac{7}{8} \times 7 =$

11. $5 \times \frac{2}{3} =$

15. $4 \times \frac{3}{5} =$

4. $6 \times \frac{3}{5} =$

8. $3 \times \frac{4}{5} =$

12. $\frac{2}{3} \times 5 =$

16. $\frac{7}{8} \times \frac{1}{2} =$

Directions: Multiply the mixed numbers. Use canceling whenever you can.

17. $3\frac{3}{4} \times \frac{2}{3} =$

21. $2\frac{4}{7} \times 3\frac{1}{9} =$

25. $1\frac{5}{16} \times 2\frac{6}{7} \times 2\frac{2}{5} =$

18. $3\frac{3}{7} \times \frac{3}{10} =$

22. $1\frac{9}{11} \times 1\frac{1}{6} =$

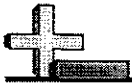
26. $1\frac{7}{8} \times \frac{3}{4} \times 2\frac{2}{9} =$

19. $\frac{5}{8} \times 2\frac{2}{9} =$

23. $1\frac{5}{9} \times 1\frac{5}{7} =$

20. $\frac{8}{15} \times 1\frac{9}{16} =$

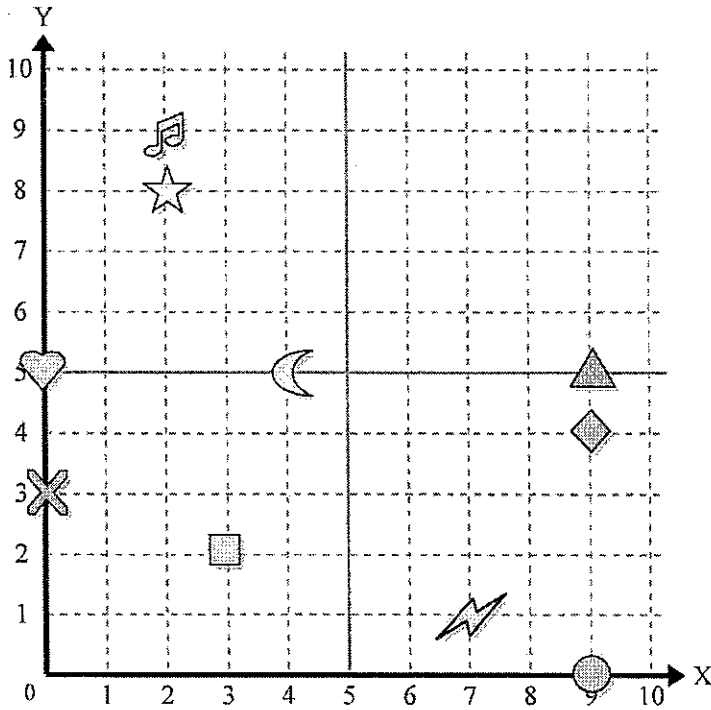
24. $2\frac{5}{8} \times 2\frac{2}{15} =$



Determining Coordinates

Name: _____

Use the grid below to determine the coordinates where each figure is located.



- 1) Star _____
- 2) Lightning _____
- 3) Circle _____
- 4) Heart _____
- 5) Cross _____
- 6) Triangle _____
- 7) Moon _____
- 8) Square _____
- 9) Diamond _____
- 10) Music Note _____

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Determine which letter is at each coordinate using the grid below.

- 11) (4, 10) _____
- 12) (0, 10) _____
- 13) (3, 7) _____
- 14) (3, 9) _____
- 15) (4, 8) _____
- 16) (2, 10) _____
- 17) (0, 8) _____
- 18) (10, 5) _____
- 19) (9, 10) _____
- 20) (7, 6) _____

