

Add, subtract, multiply or divide the following decimals. Use the margins of the paper to show your scratch work. Write your final answer on the line beside each problem.

1. $6.035 + 3.4 + 5 + 0.057 =$ _____

2. $71 - 5.3 =$ _____

3. $6.04 \times 5.9 =$ _____

4. $4.608 \div 1.2 =$ _____

5. $58.3 - 12.923 =$ _____

Adding and Subtracting
Decimals - remember to line up
your decimals.

Multiplying decimals - most
digits go on top (do NOT line
up decimals).

Dividing decimals - move decimal
in divisor +0 make a whole
number, move decimal in dividend
the same amount then move
decimal to quotient line.

Add, subtract, multiply or divide the following fractions. Use the space below each problem to show your work. Circle your final answer.

6. $\frac{8}{9} - \frac{2}{5} =$

7. $\frac{3}{4} + \frac{4}{5} =$

8. $5\frac{7}{8} + \frac{11}{4} =$

9. $4\frac{2}{7} - 2\frac{1}{5} =$

10. $\frac{4}{9} \times \frac{2}{3} =$

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

Adding and
Subtracting
Fractions:

- 1.) Find LCD if
denominators are
not the same.
- 2.) Convert fractions
to new denominator
- 3.) Add and Subtract
normally.
- 4.) Simplify.

$$12. 4\frac{4}{5} \times 3\frac{2}{3} =$$

Multiplying
Mixed Numbers:

- ① Change to improper fractions
- ② Multiply straight across.
- ③ Simplify.

$$13. 2\frac{3}{4} \times 3\frac{1}{10} =$$

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$$14. \frac{6}{7} \div \frac{8}{9} =$$

Dividing
fractions:

- 1) Keep to first fraction.
- 2) Change to multiplication.
- 3) Flip the second fraction. (reciprocal)
- 4) Simplify

$$15. \frac{2}{5} \div \frac{4}{7} =$$

$$16. 5 \div \frac{4}{9} =$$

$$17. 4\frac{1}{2} \div 2\frac{3}{8} =$$

18. A package of nuts contains $14\frac{3}{8}$ cups of nuts. Each serving is $1\frac{1}{4}$ cups. How many servings does the package contain?

19. A malt shop had 4 boxes of waffle cones. They use $\frac{1}{7}$ of a box each day. How many days will it take them to use all four boxes?

20. A chef had 7 potatoes. How many bowls of mashed potatoes could he make if each bowl used $\frac{1}{4}$ of a potato?

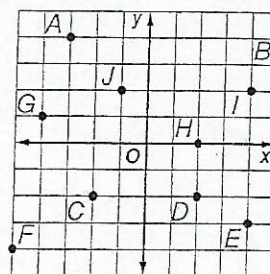
21. What is the Least Common Multiple (LCM) of 8 and 12?

22. What is the Least Common Multiple (LCM) of 6, 10, and 15?

23. What is the Greatest Common Factor (GCF) of 45 and 60?

24. What is the Greatest Common Factor (GCF) of 28, 32, and 36?

Use the coordinate plane at the right. Write the ordered pair that names each point.



25. C

29. D

26. E

30. F

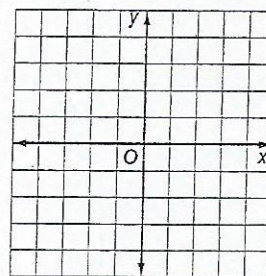
27. G

31. H

28. I

32. J

Graph and label each point using the coordinate plane at the right.



33. R(-2, 3)

36. P(3, -2)

34. Z(-1, 0)

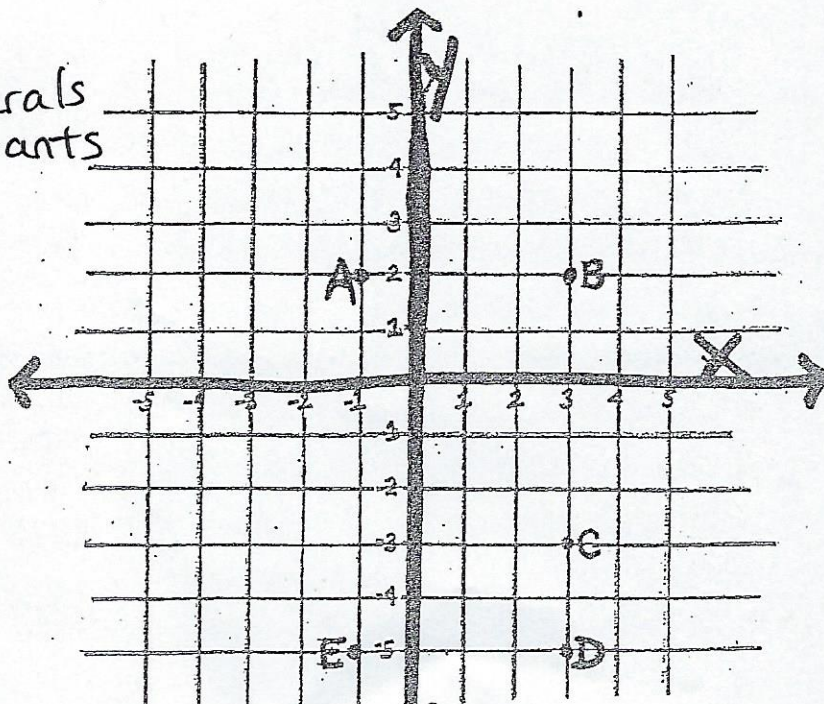
37. B(-3, -4)

35. S(4, 1)

38. M(1, -3)

* Use Roman Numerals for quadrants

Label the quadrants in the coordinate plane to the right



39. What quadrant is point D located in?

40. Point B is located in which quadrant?

41. An ordered pair in Quadrant III would have what integer signs for the x and y?

42. An ordered pair in Quadrant I would have what integer signs for the x and y?

Write an integer for each situation.

Put these integers in order from LEAST to GREATEST.

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- 43. a 15-yard gain in a football game
- 44. ten miles below sea level
- 45. 24° below zero
- 46. a loss of 17 pounds

- 47. -82, -71, -67, -51
- 48. -785, -799, -120, -881
- 49. -6, 1, 4, 8
- 50. -68, 69, 51, -54

Find the value:

| | | |
|-------------------------------------|-----------------------------------|------------------------------------|
| 51. $ -7 - 3 = \square$ | 53. $ 12 + 8 = \square$ | 55. $ 13 - -7 = \square$ |
| 52. $ -14 + -4 = \square$ | 54. $ -9 + 7 = \square$ | 56. $ 6 - 1 = \square$ |

Use Order of Operations to solve for an answer.

57) $5 + (9 + 6^3 - 3) - 3$

58) $10 + (6 \times 5) + 9^3 \times 8$

59) $3 + (5 + 6 + 9) + 7$

60) $2 + 4^3 \times 4 + (2 \times 9)$

61) $(5 + 36 \div 4) + 4 \div 2$

62) $2 + (5 \times 4) - 7 + 2$

Evaluate each expression using the values given for each variable. (63) $(y + z) - 7$ when $y = 5, z = 8$.

(64) $k - 29$ when $k = 42$

(65) $(p - q) + (52 - 34)$ when $p = 62, q = 48$

(66) $(x - z) + (13 - 4)$ when $x = 12, z = 8$

(67) $(h + 19) - (11 - h)$ when $h = 7$