Geometry Summer Prep - Basic Math Practice!

Use this set of problems for students who need to practice some basic math operations!

1. Compute:

$$-4 + (-10)$$

2. Compute:

$$4 - 4$$

3. Compute:

$$1 - (-3)$$

4. Look at the expression below. Do not solve. State if the answer would be positive, negative, or zero, and explain why.

$$-15 \div 13$$

The answer would be _____ (word bank 1) because this is a _____ (word bank 2) problem and _____ (word bank 3).

This word bank also applies to questions 5 - 6.

Word bank 1: **(a)** negative, **(b)** positive, **(c)** zero

Word bank 2: **(a)** multiplication, **(b)** division, **(c)** subtraction, **(d)** addition

Word bank 3: **(a)** zero divided by anything is zero, **(b)** anything times zero is zero, **(c)** both numbers are negative, **(d)** one number is positive and one number is negative, **(e)** both numbers are positive

5. Look at the expression below. Do not solve. State if the answer would be positive, negative, or zero, and explain why.

$$8 \times 0$$

The answer would be _____ (word bank 1) because this is a _____ (word bank 2) problem and _____ (word bank 3).

6. Look at the expression below. Do not solve. State if the answer would be positive, negative, or zero, and explain why.

$$-13 \times -15$$

The answer would be _____ because this is a

word bank 1

_____ problem and

word bank 2

_____.

word bank 3

7. Multiply.

$$-1 \times -5$$

8. Divide.

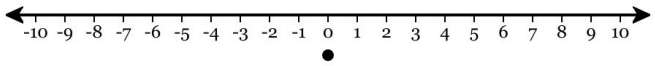
$$-27 \div -3$$

9. Multiply.

$$9 \times -4$$

10. Find the result graphically. Start from 0 and draw a series of jumps in a positive or negative direction to find the final answer.

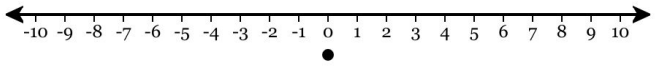
$$-4 - 4$$



$$-4 - 4 = \_\_\_\_$$

11. Find the result graphically. Start from 0 and draw a series of jumps in a positive or negative direction to find the final answer.

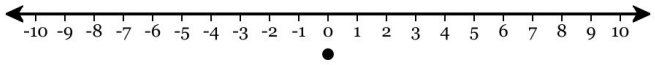
$$-3 + 5$$



$$-3 + 5 = \_\_\_\_$$

12. Find the result graphically. Start from 0 and draw a series of jumps in a positive or negative direction to find the final answer.

$$4 - 8$$



$$4 - 8 = \_\_\_\_$$

13. Evaluate.

$$-\left|-13 + (-5)\right|$$

14. Evaluate.

$$|12| - 17$$

15. Evaluate.

$$|-17 + 3|$$

16. Evaluate.

$$-10 + 4\,|-7 - (-2)|$$

17. Evaluate.

$$4\,|1 + 7| - (-6)$$

18. Evaluate.

$$-15 - 3\,|13 - 6|$$

19. Simplify the expression below using order of operations.

$$(-3) + (-4) - \left[(4 - (-6))^{1} - \left(-2 \times (-3)^{2}\right)\right]$$

20. Simplify the expression below using order of operations.

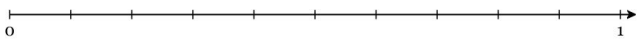
$$\frac{-1 - (-3)^{1}}{-1 - 1^{3}} - \frac{2 - (-8)}{-5 + 4}$$

21. Simplify the expression below using order of operations.

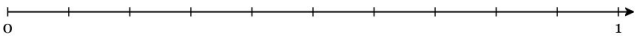
$$(-6 + (-1) + 5) - 10^{2} + (-10)$$

22. Place 0.783 on the number line below.

23. Place 0.22 on the number line below.



24. Place 0.455 on the number line below.



25. Round 2.8848 to the nearest hundredth.

26. Round 8.38 to the nearest tenth.

27. Round 1.4 to the nearest whole number.

28. Perform the operation and simplify the answer fully.

$$\frac{\frac{1}{10}}{\frac{7}{5}}$$

29. Perform the operation and simplify the answer fully.

$$\frac{9}{7} \cdot \frac{1}{4}$$

30. Perform the operation and simplify the answer fully.

$$\frac{3}{4} \div \frac{7}{9}$$

31. Perform the operation and reduce the answer fully. Make sure to express your answer as a simplified fraction.

$$-\frac{3}{10} \cdot -2$$

32. Perform the operation and reduce the answer fully. Make sure to express your answer as a simplified fraction.

$$\frac{7}{4} \div -\frac{9}{7}$$

33. Perform the operation and reduce the answer fully. Make sure to express your answer as a simplified fraction.

$$\frac{3}{2} \cdot -\frac{1}{2}$$

34. Evaluate the expression shown below and write your answer as a fraction or mixed number in simplest form.

$$\frac{9}{7} \div -\frac{4}{3}$$

35. Evaluate the expression shown below and write your answer as a fraction or mixed number in simplest form.

$$3\tfrac{1}{2} \times -2\tfrac{7}{10}$$

36. Evaluate the expression shown below and write your answer as a fraction or mixed number in simplest form.

$$-5\tfrac{1}{4} \div \frac{1}{2}$$

37. Evaluate the expression shown below and write your answer as a fraction or mixed number in simplest form.

$$\frac{1}{15} + \frac{8}{15}$$

38. Evaluate the expression shown below and write your answer as a fraction or mixed number in simplest form.

$$\frac{8}{3} + \frac{11}{10}$$

39. Evaluate the expression shown below and write your answer as a fraction or mixed number in simplest form.

$$\frac{1}{12} + \frac{3}{16}$$

40. Evaluate the expression shown below and write your answer as a fraction or mixed number in simplest form.

$$-\frac{5}{12} - \left(-\frac{9}{11}\right)$$

41. Evaluate the expression shown below and write your answer as a fraction or mixed number in simplest form.

$$\frac{9}{22} + \left(-\frac{1}{22}\right)$$

42. Evaluate the expression shown below and write your answer as a fraction or mixed number in simplest form.

$$-\frac{4}{15} + \left(-\frac{2}{9}\right)$$

43. Solve for a.

$$-5 = a - 1$$

44. Solve for n.

$$-5 = 1 + n$$

45. Solve for c.

$$c + 8 = -3$$

46. Solve for s.

$$55 = 11s$$

47. Solve for n.

$$-4n = 24$$

48. Solve for r.

$$-12r = 36$$

49. Solve for n.

$$\frac{n}{-3} = -7$$

50. Solve for u.

$$8 = \frac{u}{2}$$

51. Solve for a.

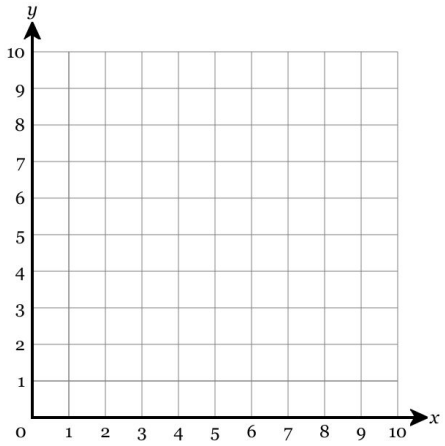
$$\frac{a}{-7} = -7$$

52. Solve. $4(x + 7) = 4$

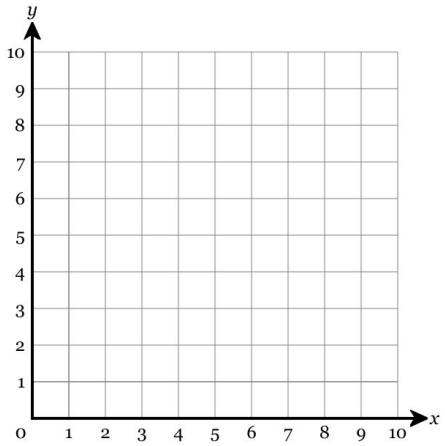
53. Solve. $3(5x - 7) = -51$

54. Solve. $3(5z + 3) = -111$

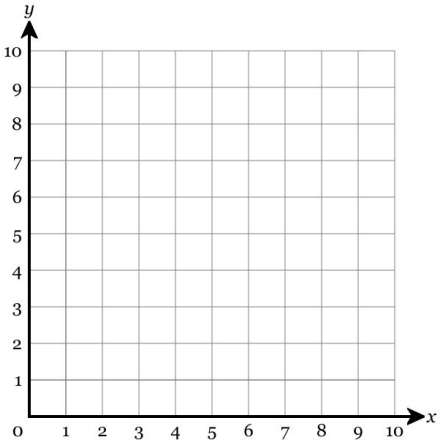
55. Plot the point $(9, 2)$.



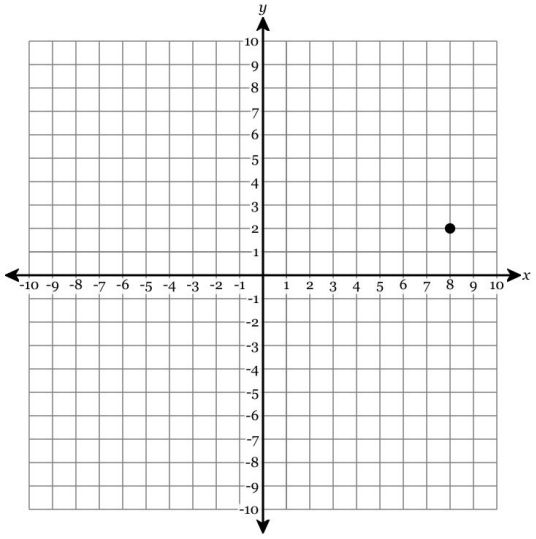
56. Plot the point $(0, 4)$.



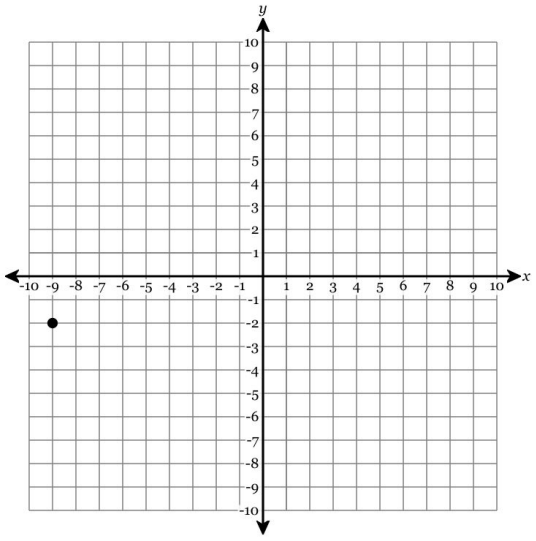
57. Plot the point $(1, 5)$.



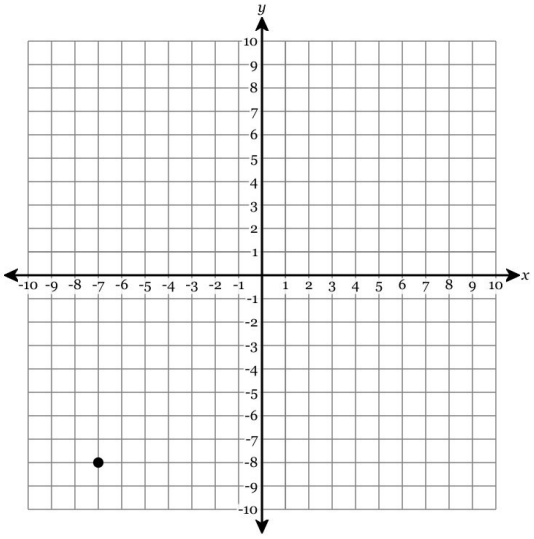
58. State the coordinates of the point.



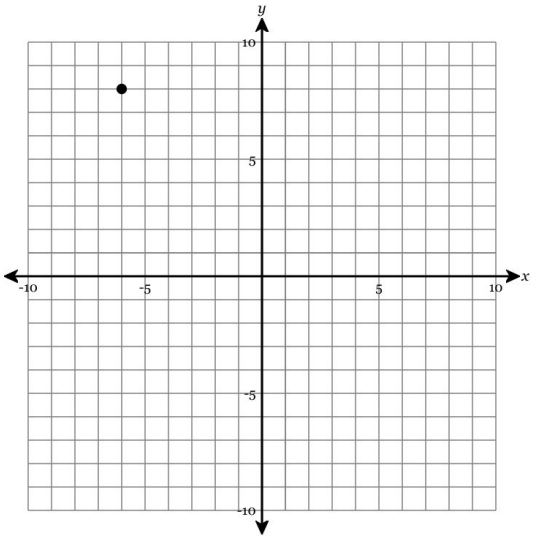
59. State the coordinates of the point.



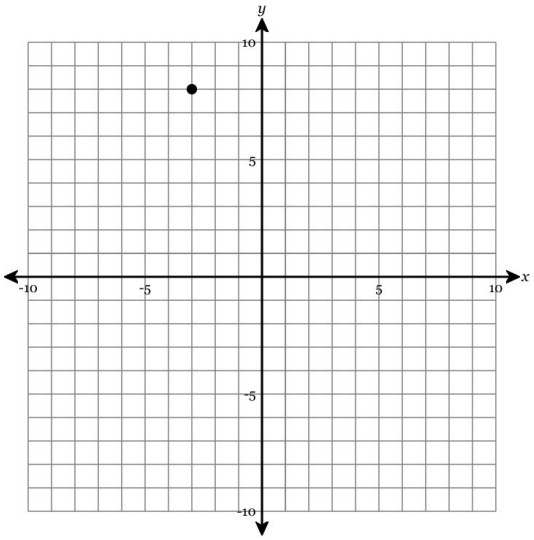
60. State the coordinates of the point.



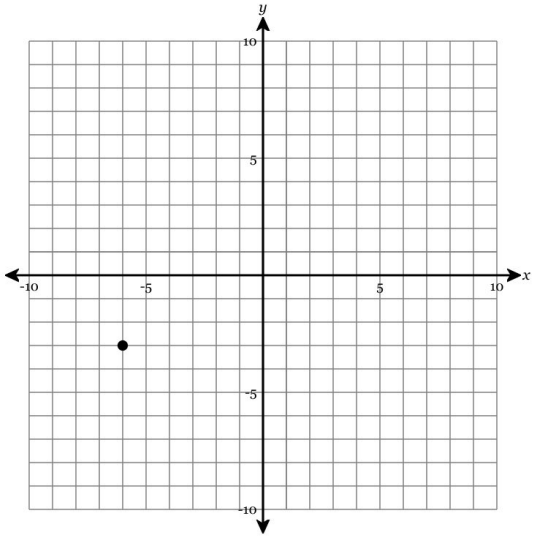
61. State the coordinates of the point.



62. State the coordinates of the point.



63. State the coordinates of the point.



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