

Transitional Math

Snow Day Packet

Mrs. Bossie

Day 1: Complete the review sheet: Basic Worksheet for 332-333. Adding Integers. Do all 48 problems

Day 2: Complete the Basic Worksheet 334 -335 (page 108). Subtracting Integers. Do all 48 problems.

Day 3: Complete Basic Worksheet 334-335 (page 111). Solving equations by addition and subtraction. Do all 18 problems

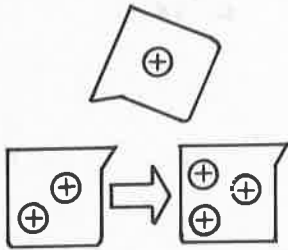
Day 4: Complete Basic Worksheet 346 – 347 (page 112). Solving equations by multiplication and division. Do all 18 problems

Day 5: Basic Worksheet for 348-349 (page 113) Solving two-step equations

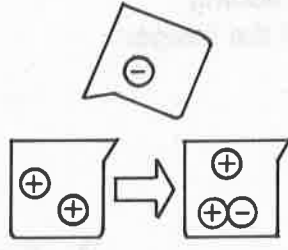
Day 6: Have fun with Basic Worksheet 350-353. Graphing ordered pairs. You will have a picture after you connect the coordinate points. If you feel creative, color your picture. The x-axis is marked "First Coordinate Axis" and the y-axis is marked "Second Coordinate Axis."

Basic Worksheet for 332 – 333

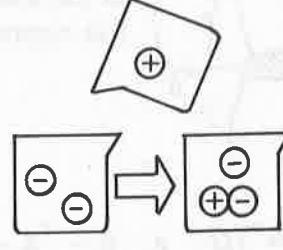
Study these examples.



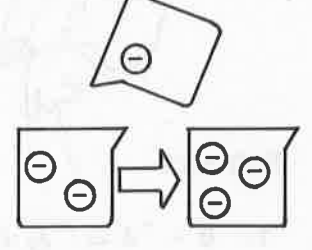
$$+2 + +1 = +3$$



$$+2 + -1 = +1$$



$$-2 + +1 = -1$$



$$-2 + -1 = -3$$

Add.

1. $+3 + -8 = -5$

4. $-3 + +7 =$

7. $-4 + +9 =$

10. $-9 + +3 =$

13. $-3 + -7 =$

16. $+2 + +8 =$

19. $+8 + +5 =$

22. $+2 + -9 =$

25. $+5 + 0 =$

28. $+7 + -9 =$

31. $+17 + -4 =$

34. $+16 + -16 =$

37. $-19 + -17 =$

40. $-13 + +16 =$

43. $+19 + -18 =$

46. $+18 + +17 =$

2. $+4 + +6 =$

5. $-7 + -3 =$

8. $+8 + -3 =$

11. $+5 + -8 =$

14. $-8 + +2 =$

17. $-3 + +8 =$

20. $-9 + -2 =$

23. $-9 + +4 =$

26. $-5 + +7 =$

29. $-6 + +9 =$

32. $-17 + +5 =$

35. $-16 + +15 =$

38. $+16 + -15 =$

41. $+17 + -17 =$

44. $-18 + +16 =$

47. $-19 + +15 =$

3. $+7 + -6 =$

6. $+6 + +4 =$

9. $-8 + -4 =$

12. $+4 + +7 =$

15. $+6 + -7 =$

18. $+7 + -8 =$

21. $-5 + +6 =$

24. $+9 + -6 =$

27. $-6 + -8 =$

30. $0 + -9 =$

33. $-18 + +8 =$

36. $+15 + +19 =$

39. $-15 + -16 =$

42. $-18 + +19 =$

45. $-14 + -18 =$

48. $+19 + -19 =$

Basic Worksheet for 334 – 335



Subtracting an integer
is the same as adding
the opposite of the integer.

$$\begin{aligned} +9 - ^-5 &= +9 + ^+5 \\ &= +14 \end{aligned}$$

Subtract.

$$1. \ ^-6 - ^+4 = \ ^-6 + \ ^-4 = \ ^-10$$

$$2. \ ^-6 - ^+4 =$$

$$3. \ ^+5 - \ ^-7 =$$

$$4. \ ^-4 - \ ^-4 =$$

$$5. \ ^+3 - \ ^+4 =$$

$$6. \ ^-8 - \ ^+5 =$$

$$7. \ ^+8 - \ ^-2 =$$

$$8. \ ^-9 - \ ^-7 =$$

$$9. \ ^+7 - \ ^+6 =$$

$$10. \ ^-7 - \ ^-7 =$$

$$11. \ ^+4 - \ ^-2 =$$

$$12. \ ^-9 - \ ^+6 =$$

$$13. \ ^+5 - \ 0 =$$

$$14. \ ^-8 - \ ^-4 =$$

$$15. \ ^+6 - \ ^-2 =$$

$$16. \ ^-9 - \ ^+5 =$$

$$17. \ ^+10 - \ ^-8 =$$

$$18. \ ^-11 - \ ^-6 =$$

$$19. \ ^+7 - \ ^+11 =$$

$$20. \ ^-7 - \ ^+12 =$$

$$21. \ ^+11 - \ ^-9 =$$

$$22. \ ^-13 - \ ^-4 =$$

$$23. \ ^+11 - \ ^+8 =$$

$$24. \ ^-6 - \ ^+12 =$$

$$25. \ ^+12 - \ ^-8 =$$

$$26. \ ^-4 - \ ^-11 =$$

$$27. \ ^+13 - \ ^+5 =$$

$$28. \ ^+8 - \ ^-13 =$$

$$29. \ ^-13 - \ ^+6 =$$

$$30. \ ^-9 - \ ^-9 =$$

$$31. \ ^-14 - \ ^-7 =$$

$$32. \ ^+17 - \ ^-8 =$$

$$33. \ ^-14 - \ ^+5 =$$

$$34. \ ^+9 - \ ^-12 =$$

$$35. \ ^-13 - \ ^+7 =$$

$$36. \ ^-9 - \ ^-13 =$$

$$37. \ ^+18 - \ ^+9 =$$

$$38. \ ^-15 - \ ^+6 =$$

$$39. \ ^-16 - \ ^+8 =$$

$$40. \ ^+14 - \ ^-8 =$$

$$41. \ ^+14 - \ ^+6 =$$

$$42. \ ^-9 - \ ^-14 =$$

$$43. \ ^-9 - \ ^+16 =$$

$$44. \ ^+9 - \ ^-15 =$$

$$45. \ ^+17 - \ ^+9 =$$

$$46. \ ^-15 - \ ^+7 =$$

$$47. \ ^+7 - \ ^-16 =$$

$$48. \ ^+15 - \ ^-8 =$$

Basic Worksheet for 344 – 345**EXAMPLE 1.**

$$x + 8 = -3$$

$$x + 8 - 8 = -3 - 8$$

Subtract 8

$$x = -11$$

Simplify

$$\text{Check: } -11 + 8 = -3$$

EXAMPLE 2.

$$-15 = x - 20$$

$$-15 + 20 = x - 20 + 20$$

Add 20

$$5 = x$$

Simplify

$$\text{Check: } -15 = 5 - 20$$

Solve and check.

1. $-4 + x = -13$

2. $x - 8 = -2$

3. $-11 = x + 12$

$$-4 - -4 + x = -13 - -4$$

$$x = -9$$

$$\text{Check: } -4 + -9 = -13$$

4. $x - 9 = 7$

5. $x + 11 = 0$

6. $12 = -9 + x$

7. $-12 = x - 8$

8. $8 + x = -17$

9. $x - 11 = -3$

10. $x + -9 = 3$

11. $-9 = x - 11$

12. $x + 13 = -7$

13. $x - 10 = -6$

14. $-7 = x + 4$

15. $x - 15 = 0$

16. $16 = x - 9$

17. $-15 = -6 + x$

18. $-2 = x - 11$

Basic Worksheet for 346 – 347**EXAMPLE 1.**

$$4x = -32$$

$$\frac{4x}{4} = \frac{-32}{4}$$

← Divide by 4

$$x = -8$$

← Simplify

$$\text{Check: } 4(-8) = -32$$

EXAMPLE 2.

$$-8 = \frac{x}{7}$$

$$(7)(-8) = \left(\frac{x}{7}\right)(7)$$

← Multiply by 7

$$-56 = x$$

← Simplify

$$\text{Check: } -8 = \frac{-56}{7}$$

Solve and check.

1. $-12 = 3x$

2. $\frac{x}{4} = 6$

3. $7x = 56$

$$\frac{-12}{3} = \frac{3x}{3}$$

$$-4 = x$$

$$\text{Check: } -12 = 3(-4)$$

4. $\frac{x}{9} = -6$

5. $24 = -2x$

6. $-6 = \frac{x}{5}$

7. $-8x = 56$

8. $-3 = \frac{x}{-4}$

9. $-9x = 99$

10. $9 = \frac{x}{8}$

11. $-48 = 3x$

12. $\frac{x}{7} = 11$

13. $-10x = -120$

14. $\frac{x}{8} = -12$

15. $15 = \frac{x}{10}$

16. $-72 = -12x$

17. $-16 = \frac{x}{6}$

18. $-20x = -100$

Basic Worksheet for 348 – 349

EXAMPLE.

$$5x - 4 = -19$$

$$5x - 4 + 4 = -19 + 4$$

Add 4

$$5x = -15$$

Simplify

$$\frac{5x}{5} = \frac{-15}{5}$$

Divide by 5

$$x = -3$$

Simplify

$$\text{Check: } 5(-3) - 4 = -19$$



Solve and check.

1. $-5 = 6 + \frac{x}{5}$

2. $6x - 8 = -20$

3. $\frac{x}{2} - 6 = -3$

$$-5 - 6 = 6 - 6 + \frac{x}{5}$$

$$-11 = \frac{x}{5}$$

$$(-5)(-11) = (-5)\left(\frac{x}{5}\right)$$

$$55 = x$$

$$\text{Check: } -5 = 6 + \frac{55}{5}$$

4. $-6 = 10x - 6$

5. $-3 = \frac{x}{8} + 2$

6. $-16 = 3x - 4$

7. $0 = \frac{x}{4} - 6$

8. $5x + 16 = 41$

9. $\frac{x}{5} + 4 = 16$

10. $-23 = 5x + 17$

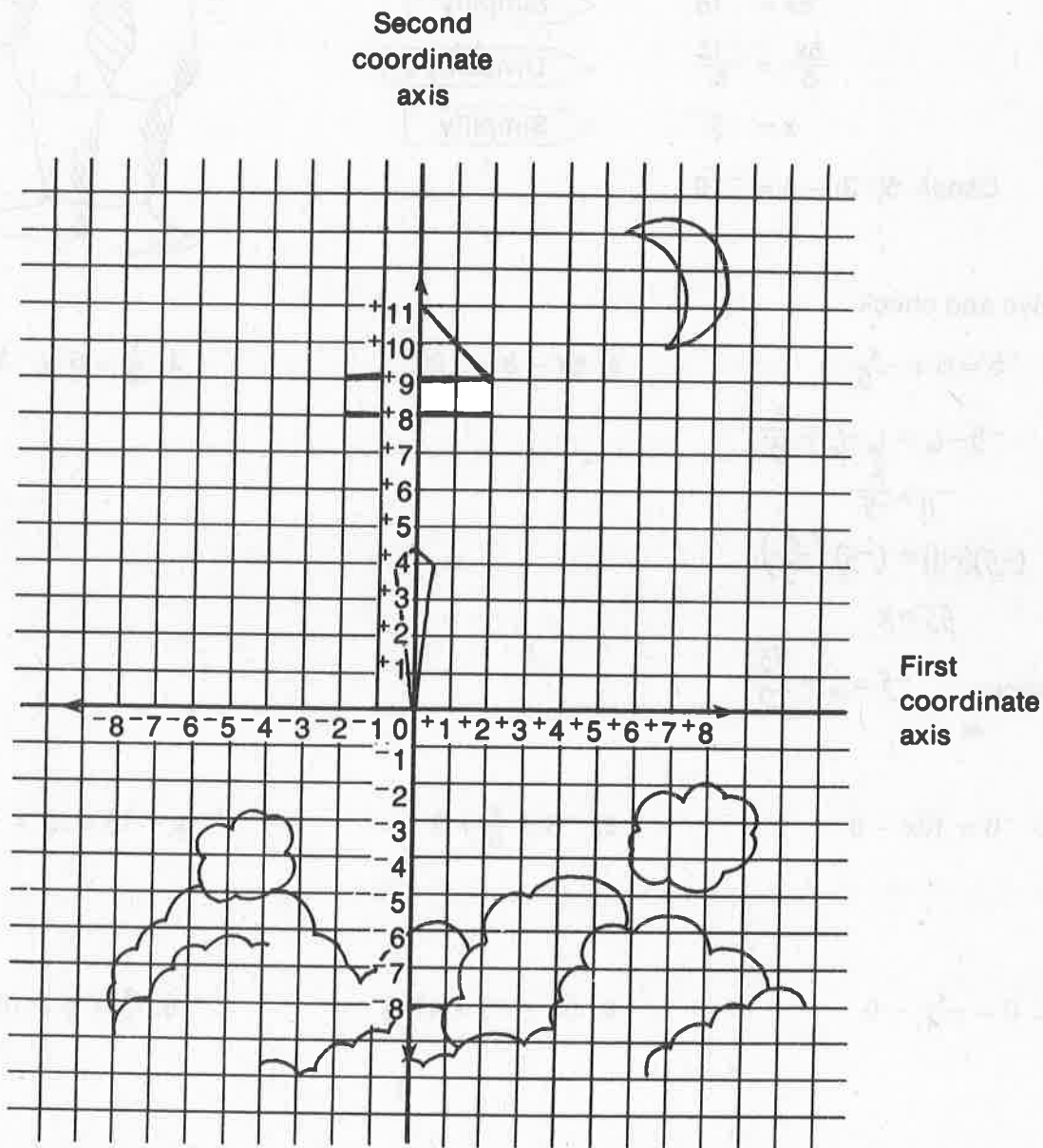
11. $\frac{x}{8} - 9 = -7$

12. $10 = \frac{x}{5} + 7$

Basic Worksheet for 350 – 353

1. Graph the following ordered pairs. Label each point with its letter.

- A (0, +11)
- B (-2, +9)
- C (-2, +2)
- D (-3, +1)
- E (-4, -4)
- F (-2, -2)
- G (-3, -5)
- H (-2, -4)
- I (-3, -7)
- J (-1, -5)
- K (0, -8)
- L (+1, -5)
- M (+3, -7)
- N (+2, -4)
- O (+3, -5)
- P (+2, -2)
- Q (+4, -4)
- R (+3, +1)
- S (+2, +2)
- T (+2, +9)



2. Connect the points in alphabetical order.