



MFM2P: Adding/Subtracting Integers

Use a number line or the “rules” to simplify each expression below.

For like signs, add the absolute values and keep the sign.

For different signs, subtract the absolute values and keep the sign of the larger absolute value.

1. $8 + (-5) =$

11. $-5 + (-4) =$

21. $14 - 7 + (-4) =$

2. $-6 - 8 =$

12. $13 + (-25) =$

22. $-9 + (-4) + (-3) =$

3. $15 + (-3) =$

13. $-4 + 4 =$

23. $-6 + 10 + (-8) =$

4. $7 + (-8) =$

14. $-10 + (-10) =$

24. $23 + (-6) + 2 =$

5. $14 - 17 =$

15. $9 - (-4) + 3 =$

25. $4 - (-7) + (-8) =$

6. $3 + (-12) =$

16. $-11 + (-9) =$

26. $-12 + (-4) - (-5) =$

7. $(-3) + (-3) =$

17. $5 + 8 + (-5) =$

27. $-8 - 7 - 12 =$

8. $11 + (-14) =$

18. $4 + 9 + (-13) =$

28. $5 - 12 + 7 =$

9. $-12 + (-18) =$

19. $20 - (-9) + 3 =$

29. $6 + (-4) - (-9) + 7 =$

10. $1 + (-5) =$

20. $6 + 12 + (-7) =$

30. $-9 + (-5) - 14 + (-6) =$

Evaluate each expression. Remember that $-(-) = +$. There must be no number between the two negatives.

31. $14 - (-5) =$

33. $-15 - (-7) =$

35. $3 + 9 - (-4) =$

32. $-(-7) + 18 =$

34. $12 - (-4) =$

36. $-8 - (-3) - (-2) =$

Substitute the given value for the variable and evaluate. $x = -4$, $y = -7$, $m = 3$

37. $x + y + 5 =$

38. $m - (x) =$

39. $-(-y) + x =$

Find each product.

1. $4 \times 7 =$

2. $6(9) =$

3. $0(-1) =$

4. $-3 \times 4 =$

5. $-5(-5) =$

6. $4(-1) =$

7. $117(0) =$

8. $(-5)(-8) =$

9. $7(-3) =$

Find each quotient.

10. $100 \div 25 =$

11. $-35 \div (-7) =$

12. $130 \div (-13) =$

13. $-90 \div 15 =$

14. $0 \div (-1) =$

15. $270 \div 30 =$

16. $72 \div (-8) =$

17. $-60 \div 12 =$

18. $39 \div 3 =$

Evaluate the following using $x = 3$, $y = 4$, and $z = -2$.

19. xz

20. yz

21. $-xz$

22. $y \div z$

23. $(-2x) \div z$

24. xyz

25. $(3zy) \div x$

26. $(-yx) \div z$

27. $(-6z) \div (xy)$

Decide whether the statement is always, sometimes or never true.

28. The sum of two negative numbers is negative.
29. The quotient of two negative numbers is negative.
30. The product of three negative numbers is positive.
31. The difference of a positive number and a negative number is positive.

Evaluate each expression.

32. $12(-7) =$ 33. $15 - (-4) =$ 34. $-88 \div (-11) =$
35. $13 + (-16) =$ 36. $(-6)(-8) =$ 37. $-7 - (-12) =$
38. $(-7)(-4) =$ 39. $4 - (-3) =$ 40. $-94 + 94 =$
41. $63 + (-63) =$ 42. $0 - 77 =$ 43. $0 - (-38) =$
44. $(5 - 8)^2 =$ 45. $(-6)^2 =$ 46. $(-2)^3 =$
47. $-13 + 4 - 8 + (-6) =$ 48. $(-5)(-5)(-7) =$ 49. $7 + (-9) + 8 - (-5) =$
50. $12 - (-2 + 3) =$ 51. $(-2)(8)(-2)(0)(3) =$ 52. $30 - (-10) - 18 =$