

DIVIDING INTEGERS - A

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EXAMPLE #1

$$24 \div (-6) = 24 \div 6 = 4 = (-4)$$

YOU HAVE A POSITIVE 24 AND A NEGATIVE 6.

DIVIDE THE NUMBERS, $24 \div 6 = 4$.

WHEN DIVIDING, A "+" AND A "-" MAKES A NEGATIVE NUMBER.

MULTIPLY AND DIVIDE RULE

IF THE SIGNS ARE THE SAME THE ANSWER IS POSITIVE. IF THE SIGNS ARE DIFFERENT THE ANSWER IS NEGATIVE.

EXAMPLE #2

$$(-32) \div (-8) = 32 \div 8 = 4 = +4$$

YOU HAVE A NEGATIVE THIRTY-TWO AND A NEGATIVE EIGHT.

DIVIDE THE NUMBERS, $32 \div 8 = 4$.

WHEN DIVIDING, A "-" AND A "-" MAKES A POSITIVE NUMBER.

EXAMPLES

$$(+12) \div (+3) = +4$$

$$(-12) \div (-3) = +4$$

$$(+12) \div (-3) = -4$$

$$(-12) \div (+3) = -4$$

SOLVE.

1. $21 \div 3 = \underline{+7}$

THE SIGNS ARE THE SAME.

2. $+40 \div (-4) = \underline{-10}$

THE SIGNS ARE DIFFERENT.

3. $(-12) \div +6 = \underline{-2}$

4. $33 \div (-3) = \underline{-11}$

5. $12 \div (-6) = \underline{-2}$

6. $(-81) \div (-9) = \underline{+9}$

7. $(-35) \div (-7) = \underline{+5}$

8. $(+16) \div +4 = \underline{+4}$

9. $(+36) \div 9 = \underline{+4}$

10. $(-27) \div -3 = \underline{+9}$

11. $(-49) \div (+7) = \underline{-7}$

12. $54 \div 9 = \underline{+6}$

13. $15 \div 5 = \underline{+3}$

14. $+42 \div (-6) = \underline{-7}$

15. $-28 \div 4 = \underline{-7}$

16. $(-18) \div (-6) = \underline{+3}$

17. $0 \div -8 = \underline{+0}$

18. $39 \div (-3) = \underline{-13}$

19. $(-32) \div +4 = \underline{-8}$

20. $(-60) \div 5 = \underline{-12}$

21. $(-12) \div (-2) = \underline{+6}$

22. $(-8) \div (-1) = \underline{+8}$

23. $72 \div (-9) = \underline{-8}$

24. $22 \div -2 = \underline{-11}$

25. $(-30) \div +3 = \underline{-10}$

26. $(+25) \div 5 = \underline{+5}$

27. $48 \div (-8) = \underline{-6}$

28. $+36 \div (-4) = \underline{-9}$

29. $-14 \div (-7) = \underline{+2}$

30. $(-45) \div (+9) = \underline{-5}$

31. $16 \div (+8) = \underline{+2}$

32. $-24 \div 12 = \underline{-2}$

DIVIDING INTEGERS - B

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SOLVE.

1. $(-120) \div 12 = \underline{-10}$

2. $-143 \div +13 = \underline{-11}$

3. $+15 \div +3 = \underline{+5}$

4. $0 \div (-4) = \underline{0}$

5. $(-24) \div (+6) = \underline{-4}$

6. $78 \div -13 = \underline{-6}$

7. $+169 \div +13 = \underline{+13}$

8. $(-108) \div (-9) = \underline{+12}$

9. $88 \div (-8) = \underline{-11}$

10. $156 \div 12 = \underline{+13}$

11. $+56 \div 8 = \underline{+7}$

12. $+70 \div (+7) = \underline{+10}$

13. $(+130) \div +10 = \underline{+13}$

14. $18 \div (-6) = \underline{-3}$

15. $-4 \div (-1) = \underline{+4}$

16. $(-96) \div (-8) = \underline{+12}$

17. $-130 \div -13 = \underline{+10}$

18. $(-72) \div 12 = \underline{-6}$

19. $+99 \div (+9) = \underline{+11}$

20. $110 \div 11 = \underline{+10}$

21. $(-84) \div 12 = \underline{-7}$

22. $9 \div -1 = \underline{-9}$

23. $(+132) \div -11 = \underline{-12}$

24. $(-156) \div 13 = \underline{-12}$

25. $64 \div +8 = \underline{+8}$

26. $+20 \div (-5) = \underline{-4}$

27. $-9 \div (-3) = \underline{+3}$

28. $-144 \div -12 = \underline{+12}$

29. $(-100) \div +10 = \underline{-10}$

30. $104 \div (-8) = \underline{-13}$

31. $-18 \div (-9) = \underline{+2}$

32. $49 \div (+7) = \underline{+7}$

33. $(+32) \div (-4) = \underline{-8}$

34. $+143 \div +11 = \underline{+13}$

35. $(+132) \div 12 = \underline{+11}$

36. $-80 \div (-8) = \underline{+10}$

37. $90 \div (-9) = \underline{-10}$

38. $(-91) \div 13 = \underline{-7}$

39. $(-36) \div (-6) = \underline{+6}$

40. $-120 \div 10 = \underline{-12}$

41. $(-121) \div -11 = \underline{+11}$

42. $117 \div (-9) = \underline{-13}$