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. $21 \div 3 = +7$ — THE SIGNS ARE THE SAME.
2. $+40 \div (-4) = -10$ — THE SIGNS ARE DIFFERENT.
3. $(-12) \div +6 = -2$
4. $33 \div (-3) = -11$
5. $12 \div (-6) = -2$
6. $(-81) \div (-9) = +9$
7. $(-35) \div (-7) = +5$
8. $(+16) \div +4 = +4$
9. $(+36) \div 9 = +4$
10. $(-27) \div -3 = +9$
11. $(-49) \div (+7) = -7$
12. $54 \div 9 = +6$
13. $15 \div 5 = +3$
14. $+42 \div (-6) = -7$
15. $-28 \div 4 = -7$
16. $(-18) \div (-6) = +3$
17. $0 \div -8 = +0$
18. $39 \div (-3) = -13$
19. $(-32) \div +4 = -8$
20. $(-60) \div 5 = -12$
21. $(-12) \div (-2) = +6$
22. $(-8) \div (-1) = +8$
23. $72 \div (-9) = -8$
24. $22 \div -2 = -11$
25. $(-30) \div +3 = -10$
26. $(+25) \div 5 = +5$
27. $48 \div (-8) = -6$
28. $+36 \div (-4) = -9$
29. $-14 \div (-7) = +2$
30. $(-45) \div (+9) = -5$
31. $16 \div (+8) = +2$
32. $-24 \div 12 = -2$

DIVIDING INTEGERS - B

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SOLVE.

1. $(-120) \div 12 = -10$
2. $-143 \div +13 = -11$
3. $+15 \div +3 = +5$
4. $0 \div (-4) = 0$
5. $(-24) \div (+6) = -4$
6. $78 \div -13 = -6$
7. $+169 \div +13 = +13$
8. $(-108) \div (-9) = +12$
9. $88 \div (-8) = -11$
10. $156 \div 12 = +13$
11. $+56 \div 8 = +7$
12. $+70 \div (+7) = +10$
13. $(+130) \div +10 = +13$
14. $18 \div (-6) = -3$
15. $-4 \div (-1) = +4$
16. $(-96) \div (-8) = +12$
17. $-130 \div -13 = +10$
18. $(-72) \div 12 = -6$
19. $+99 \div (+9) = +11$
20. $110 \div 11 = +10$
21. $(-84) \div 12 = -7$
22. $9 \div -1 = -9$
23. $(+132) \div -11 = -12$
24. $(-156) \div 13 = -12$
25. $64 \div +8 = +8$
26. $+20 \div (-5) = -4$
27. $-9 \div (-3) = +3$
28. $-144 \div -12 = +12$
29. $(-100) \div +10 = -10$
30. $104 \div (-8) = -13$
31. $-18 \div (-9) = +2$
32. $49 \div (+7) = +7$
33. $(+32) \div (-4) = -8$
34. $+143 \div +11 = +13$
35. $(+132) \div 12 = +11$
36. $-80 \div (-8) = +10$
37. $90 \div (-9) = -10$
38. $(-91) \div 13 = -7$
39. $(-36) \div (-6) = +6$
40. $-120 \div 10 = -12$
41. $(-121) \div -11 = +11$
42. $117 \div (-9) = -13$