

MULTIPLYING AND DIVIDING INTEGERS

Rule 5. When multiplying or dividing numbers with the same sign, the answer is positive.

Examples: $(+5) \times (+4) = +20$ $(-6) \times (-7) = +42$

Rule 6. When multiplying or dividing numbers with different signs, the answer is negative.

Examples: $(-5) \times (+8) = -40$ $(+9) \times (-3) = -27$

Hint: As with all rules in math, these rules work for binary operations, that is 2 numbers at a time

Compute and identify the rule to be used

1. -5×7

2. $18 \div (-6)$

3. $14 \times (-2)$

4. $-5 \times (-11)$

5. $\frac{-15}{3}$

6. $7(-4)$

7. $-42 \div (-3)$

8. $\frac{36}{-12}$

9. $40 \div (-5)$

10. $-9(8)$

11. $(-8)(-3)$

12. $\frac{-24}{-3}$

13. $-30 \times (-4)$

14. $-48 \div 16$

15. $15(-4)$

16. $24 \div (-8)$

17. $-90 \div (-5)$

18. $\frac{-40}{-20}$

19. $(-3)(-5)(-10)$

20. $(-9)(5)(-2)$

21. $5(-3)(6)$

$22. -5(-12)$

$23. \frac{-64}{16}$

$24. \frac{64}{-16}$

$25. 15 \times (-5)$

$26. (-3)(-12)$

$27. \frac{-18}{-9}$

$28. 12(-4)$

$29. (-5) \times (-13)$

$30. -65 \div 5$