Division & Multiplication of Integers Worksheet

Integer Rules Review - Multiplication & Division Sign Rules

Sign of Numbers		Result
Positive × Positive	-	Positive
Negative × Negative	-	Positive
Positive × Negative	-	Negative
Negative × Positive	-	Negative

**The same rules apply to division.

Part A: Multiplying Integers: Find each product.

1. 7 × 4 = _____
2. (-8) × 5 = _____
3. (-6) × (-9) = _____
4. 12 × (-3) = _____
5. (-11) × (-2) = _____
6. (-4) × 15 = _____
7. 9 × (-7) = _____
8. (-10) × (-8) = _____
9. 13 × 6 = _____
10. (-14) × 4 = _____
11. (-5) × (-12) = _____
12. 16 × (-5) = _____

Part B: Dividing Integers: Find each quotient.

13. 42 ÷ 6 = _____
14. (-56) ÷ 8 = _____
15. (-72) ÷ (-9) = _____
16. 63 ÷ (-7) = _____
17. (-100) ÷ 10 = _____
18. (-81) ÷ (-9) = _____
19. 96 ÷ (-12) = _____
20. (-45) ÷ 5 = _____
21. (-64) ÷ (-8) = _____
22. 121 ÷ (-11) = _____
23. (-144) ÷ 12 = _____
24. (-90) ÷ (-15) = _____

Part C: Mixed Practice: Find each answer.

25. (-7) × 8 = _____
26. (-54) ÷ 6 = _____
27. (-9) × (-4) = _____
28. 80 ÷ (-10) = _____
29. (-12) × 7 = _____
30. (-63) ÷ (-9) = _____
31. 15 × (-5) = _____
32. (-84) ÷ 7 = _____
33. (-6) × (-11) = _____
34. 72 ÷ (-8) = _____
35. (-16) × 3 = _____
36. (-99) ÷ (-11) = _____

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Part D: Word Problems

37. A submarine descends 12 feet per minute for 5 minutes. What is the total change in depth?

    Answer: _____

38. A temperature drops 6 degrees each hour for 7 hours. What is the total change in temperature?

    Answer: _____

39. A debt of $96 is divided equally among 12 people. What integer represents each person's share?

    Answer: _____

40. A football team loses 8 yards on each of 6 plays. What is the total change in yards?

    Answer: _____

41. A diver is 90 feet below sea level. If that depth is divided into 9 equal sections, what integer represents each section?

    Answer: _____

Challenge Problems

42. (-4) × (-5) × 3 = _____

43. 144 ÷ (-12) ÷ 2 = _____

44. (-2) × 9 × (-6) = _____

45. (-180) ÷ (-15) ÷ 4 = _____

46. (-7) × (-3) × (-2) = _____

47. (-120) ÷ 10 ÷ (-3) = _____

48. (-5) × 8 × (-4) = _____

49. (-96) ÷ (-8) ÷ (-2) = _____

50. (-3) × (-7) × (-5) = _____

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