

Operations With Signed Numbers

(K. Kopelousos, 2007)

I. Addition

A. When adding two positive numbers, the answer is always_____.

1. $100 + 700 + 300$

2. $15 + 17 + 1 + 30$

B. When adding two negative numbers, the answer is always_____.

3. $-35 + -10$

4. $-5 + -1 + -22$

5. $-100 + -300 + -400$

6. $-721 + -854$

C. When adding a positive number and a negative number, the answer
_____.

7. $-36 + 87$

8. $45 + -89$

9. $-10 + 3$

10. $18 + -11$

II. Subtraction

There are five steps for working out a subtraction problem. Please list them below.

Step 1:

Step 2:

Step 3:

Step 4:

Step 5:

11. $-4 - 7$

12. $25 - 50$

13. $-17 - (-13)$

14. $83 - (-12)$

15. $-5 - (-13)$

16. $-25 - (-25)$

17. $0 - 9$

18. $0 - (-9)$

III. Addition & Subtraction

19. $-5 + 1 - 7$

20. $4 - 15 - 12 + (-3)$

21. $-4 - (-2) + -3 + 7 - 9$

22. $12 - (-12) - 12 + (-12)$

IV. Multiplication & Division

A. When multiplying or dividing two positive numbers, the answer is always_____.

23. $45(100)$

24. $18 \div 3$

B. When multiplying or dividing two negative numbers, the answer is always_____.

25. $-7(-2)$

26. $-10 \cdot -25$

27. $-36 \div (-4)$

28. $-80 \div -5$

C. When multiplying or dividing a positive number and a negative number, the answer is always

_____.

29. $-6(7)$

30. $48 \div (-12)$

31. $64 \div (-8)$

32. $-8 \cdot 7$

33. $-1(5)$

34. $14 \div (-2)$

V. Mixed Review

Fill in the blank. Remember, for subtraction, you must change to addition FIRST!

35. $\text{POS} + \text{NEG} =$ _____

36. $\text{NEG} \div \text{NEG} =$ _____

37. $\text{POS} - \text{POS} =$ _____

38. $\text{POS} \cdot \text{NEG} =$ _____

39. $\text{NEG} - \text{POS} =$ _____

40. $\text{NEG} + \text{NEG} =$ _____