

Practice Exercises for Chapter 8 – Negative Numbers

Set A

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|-----|-----|-----|-----|
| 1. | 5 | 11. | -80 |
| 2. | 15 | 12. | 0 |
| 3. | -7 | 13. | -4 |
| 4. | 13 | 14. | 6 |
| 5. | -8 | 15. | 1 |
| 6. | 9 | 16. | -8 |
| 7. | 5 | 17. | -18 |
| 8. | -24 | 18. | -32 |
| 9. | 21 | 19. | 0 |
| 10. | -90 | 20. | -2 |

Detailed Answers:

- $8 + -3 = 5$
- $12 - -3 = 12 + 3 = 15$
- $-2 + -5 = -2 - 5 = -7$
- $10 - -3 = 10 + 3 = 13$
- $-5 + -4 + 1 = -5 - 4 + 1 = -9 + 1 = -8$
or $= -5 + -3 = -5 - 3 = -8$
- $(4 - -3) - -2 = (4 + 3) + 2 = 9$
- $4 - (-3 - -2) = 4 - (-3 + 2) = 4 - -1 = 4 + 1 = 5$
- $8 \times -3 = -24$
- $-7 \times -3 = +21 = 21$
- $-2 \times -5 \times -9 = - - -90 = -90$

11. $8 \times -5 \times 2 = -80$

12. $-1 \times -6 \times 0 = 0$ (*Anything* $\times 0 = 0$)

13. $8 \div -2 = -4$

14. $-12 \div -2 = - - 6 = +6 = 6$

15. $(8 \div -4) \div -2 = -2 \div -2 = - - 1 = +1 = 1$

16. $8 \div (-2 \div 2) = 8 \div -1 = -8$

17. $8 \times -2 + -2 = -16 + -2 = -16 - 2 = -18$

18. $8 \times (-2 + -2) = 8 \times (-2 - 2) = 8 \times -4 = -32$

19. $8 \times -(-2 + 2) = 8 \times 0 = 0$ (*Anything* $\times 0 = 0$)

20. $8 \div (-2 + -2) = 8 \div (-2 - 2) = 8 \div -4 = -2$