

Diagnostic Test

Unit 10 Positive and Negative Numbers

Purpose: to help the student and instructor determine what, if any, sections of this unit the student needs to study.

The instructor should observe to see that the student is able to do the problems without hesitating.

SET A

1. $(+1) + (+1) =$

2. $(+9) + (+1) =$

3. $(0) + (+3) =$

4. $(-1) + (+2) =$

5. $(-5) + (+2) =$

6. $(-3) + (+3) =$

7. $(-5) + (+0) =$

8. $(+7) + (+3) =$

9. $(-4) + (+1) =$

10. $(-3) + (+4) =$

11. $(0) + (+9) =$

12. $(-6) + (+1) =$

13. $(-7) + (+8) =$

14. $(-9) + (+5) =$

15. $-2 + 0 =$

16. $-4 + +7 =$

17. $-8 + +3 =$

18. $-9 + +9 =$

19. $-3 + +2 =$

20. $-4 + +1 =$

21. $-5 + +7 =$

22. $+4 + +7 =$

SET B

- $(+6) + (-5) =$
- $(+7) + (-8) =$
- $(+5) + (-4) =$
- $(+3) + (-7) =$
- $(-4) + (-1) =$
- $(+1) + (-3) =$
- $(-6) + (-6) =$
- $(+4) + (-4) =$
- $(0) + (-7) =$
- $(+10) + (-6) =$
- $(+1) + (-9) =$
- $(+1) + (-1) =$
- $(+3) + (-8) =$
- $(+6) + (-9) =$
- $-1 + -1 =$
- $-2 + -5 =$
- $+7 + -7 =$
- $+6 + -3 =$
- $-7 + -2 =$
- $-5 + -5 =$

SET C

- $(+10) - (+3) =$
- $(+6) - (+1) =$
- $(+3) - (+3) =$
- $(+2) - (+4) =$
- $(-2) - (+2) =$
- $(-4) - (+6) =$
- $(-6) - (+6) =$
- $(+4) - (+4) =$
- $(+8) - (0) =$
- $(+5) - (+7) =$
- $(0) - (+6) =$
- $(-4) - (+1) =$
- $(-5) - (+3) =$
- $(+1) - (+4) =$
- $+8 - +8 =$
- $-3 - +6 =$
- $+3 - +7 =$
- $+2 - +6 =$
- $-2 - +6 =$
- $-5 - +5 =$

SET D

1. $(+2) - (-5) =$

2. $(+4) - (-3) =$

3. $(+6) - (-2) =$

4. $(-6) - (-4) =$

5. $(-1) - (-1) =$

6. $(-4) - (-6) =$

7. $(0) - (-5) =$

8. $(-4) - (-3) =$

9. $(-7) - (-7) =$

10. $(-9) - (-4) =$

11. $+2 - -7 =$

12. $-6 - -5 =$

13. $-3 - -9 =$

14. $-6 - -2 =$

15. $-9 - -3 =$

16. $-2 - -10 =$

SET E

1. $(+2) \times (+3) =$

2. $(-5) \times (-3) =$

3. $(-4) \times (+6) =$

4. $(-3) \times (-4) =$

5. $(+7) \times (+2) =$

6. $(+5) \times (-2) =$

7. $(-8) \times (+2) =$

8. $(-2) \times (-4) =$

9. $(+5) \times (+3) =$

10. $(+9) \times (-3) =$

11. $(-6) \times (+5) =$

12. $(-7) \times (-5) =$

13. $(+4) \times (+4) =$

14. $(+3) \times (-1) =$

15. $-6 \times +1 =$

16. $-4 \times -7 =$

17. $+7 \times 0 =$

18. $-3 \times +7 =$

19. $0 \times -5 =$

20. $-4 \times -9 =$

21. $+3 \times -10 =$

SET F

1. $(+9) \div (+3) =$

2. $(+7) \div (-1) =$

3. $(-16) \div (+2) =$

4. $(-20) \div (-5) =$

5. $(+10) \div (+2) =$

6. $(+32) \div (-4) =$

7. $(-35) \div (+5) =$

8. $(-12) \div (-2) =$

9. $(+15) \div (-5) =$

10. $(-24) \div (+6) =$

11. $(-20) \div (-4) =$

12. $(+18) \div (-3) =$

13. $(-12) \div (+4) =$

14. $(+21) \div (-7) =$

15. $+20 \div +5 =$

16. $-27 \div -9 =$

17. $+16 \div -2 =$

18. $0 \div +3 =$

19. $-30 \div -5 =$

20. $0 \div -1 =$