

Intermediate 1 End OF YEAR Review #1

ANSWER KEY

1. No! -16, -11, -8, 0, 2, 5, 9, 20

2. Terminating: $\frac{1}{5}$, 0.75, $\frac{1}{2}$, 0.44

Repeating: $\frac{5}{6}$, 0.2, $\frac{4}{9}$, $\frac{3}{7}$, $\frac{6}{11}$

3. The answer would be a negative number.

4. < (less than)

5. > (greater than)

6. Least to greatest would be D, B, A, C

7. 22

8. -82

9. 155

10. 30

11. -729

12. 31

13. $15(x - 3)$

14. $4y(2 - 3k)$

15. Cannot be factored

16. $28m - 12$

17. $3m + 2$

18. $-18h + 72$

19. $x = -2$

20. $w = -8$

21. $y = 9$

22. $x = 1\frac{3}{4}$ or $\frac{7}{4}$

23. $m = -42$

24. $k = 20$

25. $A + B = 0$

26. c. $9x + 50$

27. 23 tokens

28. The second temperature is greater than the original.

29. a. Sunday to Monday was an increase
b. Friday to Saturday was a decrease
c. Wednesday had the highest temperature
d. Saturday had the lowest temperature

30. Expression: $48 - 3g$; He can play 16 games

31. The number lines that work are 2, 3, 4, 6

32. Austin, Tyler, Cayden, Alfonso

33. The expressions that are equivalent to -7 are the first three expressions.

34. $7 - (-7)$ Greater than zero
 $7 + (-7)$ Equal to zero
 $(-7) + (-7)$ Less than zero
 $(-7) - 7$ Less than zero