

Answer Key

Benchmark 1

E. Properties and Real Numbers

1. Integer 2. Rational 3. Rational
4. Whole 5. Rational 6. Whole
7. $1.23, \frac{3}{2}, 1\frac{2}{3}, \sqrt{3}$ 8. $-1.9, -\sqrt{0.04}, 0.08, \sqrt{2}$
9. $\sqrt{6}, 6.01, 6.1, 6\frac{1}{6}$ 10. Identity
11. Commutative 12. Associative
13. Inverse 14. Associative
15. Commutative 16. Commutative
17. Negative one 18. Associative
19. Identity 20. Zero 21. Negative one
22. $-28 - 7v$ 23. $2c^2 + c$
24. $-15m + 5m^2$ 25. $9t - 72$
26. $6 + 8r$ 27. $15p + 21p^2$

Quiz

1. Irrational, rational, whole, rational; $\frac{8}{3}, \sqrt{8}, 3, 4.1$
2. Rational, rational, rational, integer; $-9.1, -9.02, -\sqrt{9}, -\frac{2}{9}$
3. Whole, rational, rational, integer; $-1.1, -\sqrt{1}, -0.01, \frac{0}{1}$
4. Associative property of addition
5. Negative one property of multiplication
6. Additive inverse 7. Multiplicative identity 8. Distributive property
9. Commutative property of addition 10. Commutative property of multiplication
11. Associative property of multiplication 12. Distributive property
13. Zero property 14. Distributive property 15. Additive identity
16. $5h + 10$ 17. $-4d - 3d^2$ 18. $-32f^2 - 80f$