

1. **Sample Answer:** *Any number that can be written as a fraction where the numerator and denominator are both whole numbers.*

2.  $0.58\bar{3}$

10. 243

19.  $27a^3b^2$

3.  $-0.0375$

11.  $-10,000$

20.  $\frac{4^5 \cdot (-5)^3}{8^4} = \frac{-125}{4}$

4.  $7.0\bar{6}$

12.  $-32$

5.  $\frac{843}{1000}$

13.  $\frac{1}{27}$

21.  $\frac{3m^3}{2}$

6.  $-8\frac{4}{25}$

14.  $x^6$

22.  $x^{12}$

7.  $\frac{32}{99}$

15.  $6x^3$

23.  $49n^6$

8.  $-\frac{23}{333}$

16.  $-8u^6v^2$

24.  $-7,776x^{15}y^{20}$

9. 0.519

17.  $9a^2b^2c^2$

25.  $81m^4d^{36}$

18.  $\frac{a^7b}{3}$

26.  $100x^{18}y^{11}$

$$27. -9x^4y^{19}$$

$$28. 64u^6t^8$$

$$29. 15k^{17}v^{10}$$

$$30. \frac{8}{125}d^3$$

$$31. 8^{42}$$

$$32. 2^{18}$$

$$33. 5^6 \cdot 8^3 a^{12} b^{24}$$

or 8,000,000

$$34. 3^{10} a^{30} b^{40}$$

$$35. 2 \cdot 6^4 a^{17}$$

or 2592

$$36. -a^3b^5c^2$$

$$37. \frac{1}{a^3}$$

$$38. \frac{y^{20}}{x^{11}}$$

$$39. \frac{5a^{16}}{3b^{15}}$$

$$40. \frac{1}{11^{14}}$$

$$41. 7^4 = 2401$$

$$42. \frac{1}{7^{19}}$$

$$43. \frac{7b^3}{13a^{10}}$$

$$44. -\frac{4y^{14}}{5x^4z^6}$$

$$45. \frac{y^{12}}{x^6}$$

$$46. \frac{8}{x^3y^1}$$