|  |
| --- |
| *Write the following as a decimal.* |

|  |  |  |
| --- | --- | --- |
| 1. Three and one thousandth \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 3.001 |

 |

|  |  |  |
| --- | --- | --- |
| 2. One tenth \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.1 |

 |

|  |  |  |
| --- | --- | --- |
| 3. Four and fifty-six one hundredths \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 4.56 |

 |

|  |  |  |
| --- | --- | --- |
| 4. Twelve and three tenths \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 12.3 |

 |

|  |
| --- |
| *Convert the following fractions to decimals.* |

|  |  |  |
| --- | --- | --- |
| 5. 3/10 \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.3 |

 |

|  |  |  |
| --- | --- | --- |
| 6. 27/100 \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.27 |

 |

|  |  |  |
| --- | --- | --- |
| 7. 31/1000 \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.031 |

 |

|  |  |  |
| --- | --- | --- |
| 8. 58/10,000 \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.0058 |

 |

|  |  |  |
| --- | --- | --- |
| 9. 276/100,000 \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.00276 |

 |

|  |
| --- |
| *Subtract the following decimals.* |

|  |  |  |
| --- | --- | --- |
| 10. 178.96 – 25.78 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 153.18 |

 |

|  |  |  |
| --- | --- | --- |
| 11. 2.85 – 1.99 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.86 |

 |

|  |  |  |
| --- | --- | --- |
| 12. 25.507 – 12.123 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 13.384 |

 |

|  |  |  |
| --- | --- | --- |
| 13. 0.0078 – 0.0021 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.0057 |

 |

|  |
| --- |
| *Add the following decimals.* |

|  |  |  |
| --- | --- | --- |
| 14. 0.6 + 0.89 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 1.49 |

 |

|  |  |  |
| --- | --- | --- |
| 15. 25.5 + 50.89 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 76.39 |

 |

|  |  |  |
| --- | --- | --- |
| 16. 0.125 + 0.25 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.375 |

 |

|  |  |  |
| --- | --- | --- |
| 17. 10.25 + 110.25 + 1110.25 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 1230.75 |

 |

|  |
| --- |
| *Multiply the following decimals.* |

|  |  |  |
| --- | --- | --- |
| 18. 2.789 × 1.458 = \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 4.0664 |

 |

|  |  |  |
| --- | --- | --- |
| 19. 1.5 × 9.5 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 14.25 |

 |

|  |  |  |
| --- | --- | --- |
| 20. 0.6 × 10.6 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 6.36 |

 |

|  |  |  |
| --- | --- | --- |
| 21. 10.000 × 0.5 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 5 |

 |

|  |  |  |
| --- | --- | --- |
| 22. 126.87 × 4.1 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 520.167 |

 |

|  |
| --- |
| *Divide the following decimals.* |

|  |  |  |
| --- | --- | --- |
| 23. 28.825 / 5 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 5.765 |

 |

|  |  |  |
| --- | --- | --- |
| 24. 0.028 / 7 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.004 |

 |

|  |  |  |
| --- | --- | --- |
| 25. 56.64 / 8 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 7.08 |

 |

|  |  |  |
| --- | --- | --- |
| 26. 0.005 / 10 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 0.0005 |

 |

|  |  |  |
| --- | --- | --- |
| 27. 75 / 0.15 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 500 |

 |

|  |  |  |
| --- | --- | --- |
| 28. 28.4 / 0.32 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 88.75 |

 |

|  |  |  |
| --- | --- | --- |
| 29. 28.4 / 0.32 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 88.75 |

 |

|  |
| --- |
| *Express the following common fractions as percents.* |

|  |  |  |
| --- | --- | --- |
| 30. 3/5 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 60% |

 |

|  |  |  |
| --- | --- | --- |
| 31. 39/50 = \_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| *ANSWER:* | 78% |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Match each term with its meaning.*

|  |  |
| --- | --- |
| a.  | decimal place |
| b.  | multiplication |
| c.  | decimal |
| d.  | decimal point |
| e.  | decimal fraction |
| f.  | multiplier |
| g.  | decimal system |
| h.  | continuing number |
| i.  | whole number |
| j.  | power of 10 |

 |

|  |  |  |
| --- | --- | --- |
| 32. process of multiplying tens together

|  |  |
| --- | --- |
| *ANSWER:* | j |

 |

|  |  |  |
| --- | --- | --- |
| 33. period placed to the left of a decimal fraction

|  |  |
| --- | --- |
| *ANSWER:* | d |

 |

|  |  |  |
| --- | --- | --- |
| 34. process of finding the product of numbers

|  |  |
| --- | --- |
| *ANSWER:* | b |

 |

|  |  |  |
| --- | --- | --- |
| 35. number system based upon multiples of 10

|  |  |
| --- | --- |
| *ANSWER:* | g |

 |

|  |  |  |
| --- | --- | --- |
| 36. number that does not come out evenly

|  |  |
| --- | --- |
| *ANSWER:* | h |

 |

|  |  |  |
| --- | --- | --- |
| 37. position of a number to the left or right of a decimal point

|  |  |
| --- | --- |
| *ANSWER:* | a |

 |

|  |  |  |
| --- | --- | --- |
| 38. linear array of numbers based upon multiples of 10

|  |  |
| --- | --- |
| *ANSWER:* | c |

 |

|  |  |  |
| --- | --- | --- |
| 39. number by which another number is multiplied

|  |  |
| --- | --- |
| *ANSWER:* | f |

 |

|  |  |  |
| --- | --- | --- |
| 40. number to the left of the decimal point

|  |  |
| --- | --- |
| *ANSWER:* | i |

 |

|  |  |  |
| --- | --- | --- |
| 41. expressed by placing a decimal point before the numerator

|  |  |
| --- | --- |
| *ANSWER:* | e |

 |