

DECIMAL PLACE VALUE

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

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| 1. What is the value of the 2 in 45.267? | 2. What is the value of the 7 in 123.457? |
| 3. What is the value of the 5 in 789.543? | 4. What is the value of the 9 in 321.987? |
| 5. What is the value of the 1 in 654.321? | 6. What is the value of the 4 in 987.654? |
| 7. What is the value of the 3 in 123.456? | 8. What is the value of the 8 in 456.789? |
| 9. What is the value of the 6 in 789.612? | 10. What is the value of the 2 in 345.678? |
| 11. What is the value of the 5 in 123.456? | 12. What is the value of the 7 in 890.123? |
| 13. What is the value of the 9 in 456.789? | 14. What is the value of the 1 in 234.567? |
| 15. What is the value of the 3 in 567.891? | 16. What is the value of the 4 in 678.912? |
| 17. What is the value of the 8 in 123.456? | 18. What is the value of the 2 in 345.678? |
| 19. What is the value of the 6 in 789.123? | 20. What is the value of the 5 in 123.456? |

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| 21. | What is the value of the 7 in 456.789? | 22. | What is the value of the 9 in 123.456? |
| 23. | What is the value of the 1 in 234.567? | 24. | What is the value of the 3 in 567.891? |
| 25. | What is the value of the 4 in 678.912? | 26. | What is the value of the 8 in 123.456? |
| 27. | What is the value of the 2 in 345.678? | 28. | What is the value of the 6 in 789.123? |
| 29. | What is the value of the 5 in 123.456? | 30. | What is the value of the 7 in 456.789? |

MASTER QUESTIONS



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- M1.** A number has 3 in the tenths place and 7 in the thousandths place. The digit in the hundredths place is twice the digit in the tenths place. What is the number?
- M2.** In the number 12.345, if the digit in the hundredths place is increased by 2 and the digit in the thousandths place is decreased by 1, what is the new number?
- M3.** A number has 5 in the units place, 2 in the tenths place, and 8 in the hundredths place. The digit in the thousandths place is half the digit in the tenths place. What is the number?
- M4.** In the number 7.891, if the digit in the tenths place is swapped with the digit in the thousandths place, what is the new number?
- M5.** A number has 6 in the tenths place, 4 in the hundredths place, and 9 in the thousandths place. The digit in the units place is three times the digit in the tenths place. What is the number?
- M6.** In the number 3.456, if the digit in the hundredths place is multiplied by 3 and the digit in the thousandths place is divided by 2, what is the new number?

- M7.** A number has 9 in the units place, 1 in the tenths place, and 3 in the hundredths place. The digit in the thousandths place is the sum of the digits in the tenths and hundredths places. What is the number?
- M8.** In the number 5.678, if the digit in the tenths place is decreased by 1 and the digit in the thousandths place is increased by 2, what is the new number?
- M9.** A number has 2 in the units place, 5 in the tenths place, and 7 in the hundredths place. The digit in the thousandths place is the product of the digits in the tenths and hundredths places. What is the number?
- M10.** In the number 4.321, if the digit in the hundredths place is added to the digit in the thousandths place and the result replaces the digit in the tenths place, what is the new number?