

## 8.EE.3 — Scientific Notation Division Practice

Expressions &amp; Equations • Grade 8 • Timed Drill • Set C • CCSS 8.EE.3

Name: \_\_\_\_\_

Date: \_\_\_\_\_

*Divide each expression and write your answer in scientific notation.*

|                    |                           |                   |
|--------------------|---------------------------|-------------------|
| <b>TIMED DRILL</b> | Time: _____ min _____ sec | Score: _____ / 22 |
|--------------------|---------------------------|-------------------|

|                                                    |                                                    |                                                    |
|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| 1. $(9.1 \times 10^3) \div (1.3 \times 10^8)$<br>= | 2. $(7.4 \times 10^7) \div (3.7 \times 10^7)$<br>= | 3. $(9.6 \times 10^3) \div (4.8 \times 10^8)$<br>= |
|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|

|                                                    |                                                    |                                                    |
|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| 4. $(2.8 \times 10^5) \div (5.6 \times 10^7)$<br>= | 5. $(9.2 \times 10^3) \div (2.3 \times 10^7)$<br>= | 6. $(8.4 \times 10^5) \div (4.0 \times 10^9)$<br>= |
|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|

|                                                    |                                                       |                                                          |
|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------|
| 7. $(1.4 \times 10^3) \div (2.8 \times 10^9)$<br>= | 8. $(9.2 \times 10^{-2}) \div (4.6 \times 10^9)$<br>= | 9. $(9.0 \times 10^{-5}) \div (1.8 \times 10^{-4})$<br>= |
|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------|

|                                                           |                                                     |                                                     |
|-----------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| 10. $(9.3 \times 10^{-3}) \div (3.1 \times 10^{-4})$<br>= | 11. $(4.1 \times 10^7) \div (8.2 \times 10^4)$<br>= | 12. $(2.6 \times 10^3) \div (5.2 \times 10^5)$<br>= |
|-----------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|

|                                                        |                                                     |                                                        |
|--------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|
| 13. $(2.1 \times 10^{10}) \div (4.2 \times 10^7)$<br>= | 14. $(0.7 \times 10^4) \div (1.4 \times 10^8)$<br>= | 15. $(1.5 \times 10^5) \div (3.0 \times 10^{10})$<br>= |
|--------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|

|                                                     |                                                     |                                                           |
|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|
| 16. $(0.7 \times 10^3) \div (1.4 \times 10^7)$<br>= | 17. $(2.3 \times 10^7) \div (4.6 \times 10^2)$<br>= | 18. $(1.3 \times 10^{-1}) \div (2.6 \times 10^{-4})$<br>= |
|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|

|                                                     |                                                     |                                                           |
|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|
| 19. $(1.2 \times 10^5) \div (2.4 \times 10^6)$<br>= | 20. $(2.0 \times 10^3) \div (5.0 \times 10^5)$<br>= | 21. $(5.2 \times 10^{10}) \div (6.5 \times 10^{10})$<br>= |
|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|

22.  $(2.5 \times 10^{-6}) \div (5.0 \times 10^{10}) =$

## Answer Key

### 8.EE.3 — Scientific Notation Division Practice — Set C

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- |                          |                          |                           |
|--------------------------|--------------------------|---------------------------|
| 1. $7.0 \times 10^{-5}$  | 9. $5.0 \times 10^{-1}$  | 17. $5.0 \times 10^4$     |
| 2. $2.0 \times 10^0$     | 10. $3.0 \times 10^1$    | 18. $5.0 \times 10^2$     |
| 3. $2.0 \times 10^{-5}$  | 11. $5.0 \times 10^2$    | 19. $5.0 \times 10^{-2}$  |
| 4. $5.0 \times 10^{-3}$  | 12. $5.0 \times 10^{-3}$ | 20. $4.0 \times 10^{-3}$  |
| 5. $4.0 \times 10^{-4}$  | 13. $5.0 \times 10^2$    | 21. $8.0 \times 10^{-1}$  |
| 6. $2.1 \times 10^{-4}$  | 14. $5.0 \times 10^{-5}$ | 22. $5.0 \times 10^{-17}$ |
| 7. $5.0 \times 10^{-7}$  | 15. $5.0 \times 10^{-6}$ |                           |
| 8. $2.0 \times 10^{-11}$ | 16. $5.0 \times 10^{-5}$ |                           |