Name: _____ Date: _____

Fresh Math

Arithmetic With Scientific Notation - Medium

Multiply or divide. Write each answer in scientific notation ($1 \le a < 10$).

1. $(4.5 \times 10^{2}) \times (3.6 \times 10^{-3})$

2. $(3.6 \times 10^{2}) \div (4 \times 10^{-1})$

3. $(1.6 \times 10^{5}) \div (5 \times 10^{3})$

4. $(3.5 \times 10^{-5}) \times (6 \times 10^{-3})$

5. $(9 \times 10^{-4}) \times (5 \times 10^{-2})$

6. $(9 \times 10^{-3}) \times (2 \times 10^{-3})$

7. $(6 \times 10^{8}) \div (8 \times 10^{8})$

8. $(8 \times 10^{2}) \times (6 \times 10^{-1})$

9. $(2.4 \times 10^{0}) \div (5 \times 10^{5})$

10. $(1.8 \times 10^{-1}) \div (4.5 \times 10^{0})$

Name: _____ Date: _____

Fresh Math

Arithmetic With Scientific Notation - Medium

Multiply or divide. Write each answer in scientific notation ($1 \leq a < 10$).

11. $(3 \times 10^{-2}) \times (4.5 \times 10^{6})$

12. $(2 \times 10^{4}) \div (3.2 \times 10^{-5})$

13. $(5 \times 10^{1}) \times (4.8 \times 10^{8})$

14. $(1.5 \times 10^{-5}) \div (7.5 \times 10^{-3})$

15. $(8 \times 10^{5}) \times (1.5 \times 10^{-3})$

16. $(1.6 \times 10^{6}) \div (8 \times 10^{-5})$

17. $(3.6 \times 10^{4}) \times (6.4 \times 10^{-1})$

18. $(4.5 \times 10^{-3}) \times (4.8 \times 10^{-2})$

19. $(3.5 \times 10^{8}) \times (6 \times 10^{-4})$

20. $(3 \times 10^{0}) \times (5 \times 10^{-4})$

Arithmetic With Scientific Notation - Medium - Answer Key

1. $(4.5 \times 10^{2}) \times (3.6 \times 10^{-3})$
   1.62×10^{0}

2. $(3.6 \times 10^{2}) \div (4 \times 10^{-1})$
   9×10^{2}

3. $(1.6 \times 10^{5}) \div (5 \times 10^{3})$
   3.2×10^{1}

4. $(3.5 \times 10^{-5}) \times (6 \times 10^{-3})$
   2.1×10^{-7}

5. $(9 \times 10^{-4}) \times (5 \times 10^{-2})$
   4.5×10^{-5}

6. $(9 \times 10^{-3}) \times (2 \times 10^{-3})$
   1.8×10^{-5}

7. $(6 \times 10^{8}) \div (8 \times 10^{8})$
   7.5×10^{-1}

8. $(8 \times 10^{2}) \times (6 \times 10^{-1})$
   4.8×10^{2}

9. $(2.4 \times 10^{0}) \div (5 \times 10^{5})$
   4.8×10^{-6}

10. $(1.8 \times 10^{-1}) \div (4.5 \times 10^{0})$
    4×10^{-2}

Arithmetic With Scientific Notation - Medium - Answer Key

11. $(3 \times 10^{-2}) \times (4.5 \times 10^{6})$

1.35×10^{5}

12. $(2 \times 10^{4}) \div (3.2 \times 10^{-5})$

6.25×10^{8}

13. $(5 \times 10^{1}) \times (4.8 \times 10^{8})$

2.4×10^{10}

14. $(1.5 \times 10^{-5}) \div (7.5 \times 10^{-3})$

2×10^{-3}

15. $(8 \times 10^{5}) \times (1.5 \times 10^{-3})$

1.2×10^{3}

16. $(1.6 \times 10^{6}) \div (8 \times 10^{-5})$

2×10^{10}

17. $(3.6 \times 10^{4}) \times (6.4 \times 10^{-1})$

2.304×10^{4}

18. $(4.5 \times 10^{-3}) \times (4.8 \times 10^{-2})$

2.16×10^{-4}

19. $(3.5 \times 10^{8}) \times (6 \times 10^{-4})$

2.1×10^{5}

20. $(3 \times 10^{0}) \times (5 \times 10^{-4})$

1.5×10^{-3}