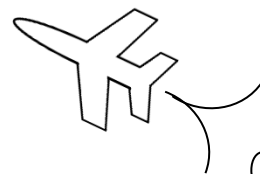


Math on the Fly!



NAME: _____ DATE: _____

Dividing Numbers in Scientific Notation

Solve each problem below.

1. $(8 \times 10^7) \div (2 \times 10^3)$

2. $(2 \times 10^3) \div (8 \times 10^7)$

3. $(3.6 \times 10^8) \div (4 \times 10^2)$

4. $(5.1 \times 10^{-4}) \div (1.5 \times 10^{-6})$

5. $(6.4 \times 10^{-1}) \div (0.1 \times 10^5)$

6. $(7.2 \times 10^2) \div (8 \times 10^{-3})$

7.
$$\frac{9.3 \times 10^{10}}{5 \times 10^6}$$

8.
$$\frac{4.56 \times 10^4}{2.4 \times 10^{11}}$$

9.
$$\frac{1.6 \times 10^{-6}}{3.2 \times 10^2}$$

10.
$$\frac{3 \times 10^{-5}}{4 \times 10^{-8}}$$

11.
$$\frac{3.06 \times 10^{13}}{8.5 \times 10^9}$$

12.
$$\frac{5.22 \times 10^{-12}}{1.8 \times 10^{-10}}$$

SOLUTIONS

1. 4×10^4

2. $0.25 \times 10^{-4} \longrightarrow 2.5 \times 10^{-5}$

3. $0.9 \times 10^6 \longrightarrow 9 \times 10^5$

4. 3.4×10^2

5. $64 \times 10^{-6} \longrightarrow 6.4 \times 10^{-5}$

6. $0.9 \times 10^5 \longrightarrow 9 \times 10^4$

7. 1.86×10^4

8. 1.9×10^{-7}

9. $0.5 \times 10^{-8} \longrightarrow 5 \times 10^{-9}$

10. $0.75 \times 10^3 \longrightarrow 7.5 \times 10^2$

11. $0.36 \times 10^4 \longrightarrow 3.6 \times 10^3$

12. 2.9×10^{-2}