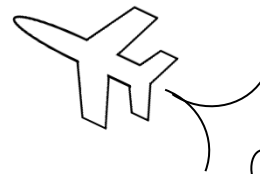


MAth on the Fly!



NAME: _____ DATE: _____

Multiplying Numbers in Scientific Notation

Solve each problem below.

1. $(4 \times 10^2) \cdot (2 \times 10^5)$

2. $(1.3 \times 10^6) \cdot (5.9 \times 10^3)$

3. $(8 \times 10^{-5}) \cdot (6 \times 10^2)$

4. $(11.2 \times 10^8) \cdot (7 \times 10^{-3})$

5. $(3.9 \times 10^{-2}) \cdot (4.5 \times 10^{-7})$

6. $(3 \times 10^7) \cdot (2.4 \times 10^{-1})$

7. $(6 \times 10^3) \cdot (9 \times 10^9)$

8. $(7.8 \times 10^4) \cdot (1.1 \times 10^4)$

9. $(8.2 \times 10^{-6}) \cdot (15.6 \times 10^2)$

10. $(3 \times 10^{-3}) \cdot (9.4 \times 10^{-5})$

11. $(4.7 \times 10^8) \cdot (1.5 \times 10^{10})$

12. $(5.6 \times 10^{11}) \cdot (6.9 \times 10^{-9})$

SOLUTIONS

1. 8×10^7

2. 7.67×10^9

3. $48 \times 10^{-3} \longrightarrow 4.8 \times 10^{-2}$

4. $78.4 \times 10^5 \longrightarrow 7.84 \times 10^6$

5. $17.55 \times 10^{-9} \longrightarrow 1.755 \times 10^{-8}$

6. 7.2×10^6

7. $54 \times 10^{12} \longrightarrow 5.4 \times 10^{13}$

8. 8.58×10^8

9. $127.92 \times 10^{-4} \longrightarrow 1.2792 \times 10^{-2}$

10. $28.2 \times 10^{-8} \longrightarrow 2.82 \times 10^{-7}$

11. 7.05×10^{18}

12. $38.64 \times 10^2 \longrightarrow 3.864 \times 10^3$