**Scientific Notation Multiplying and Dividing (Simplified)**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

Solve the following simpler problems involving multiplication and division of numbers in scientific notation. Express your answers in scientific notation.

 **Open Ended Questions**

1. $(2×10^{2})×(3×10^{1})$

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. $(4×10^{3})÷(2×10^{1})$

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. $(5×10^{2})×(2×10^{0})$

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. $(6×10^{4})÷(3×10^{2})$

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. $(7×10^{1})×(2×10^{0})$

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. $(8×10^{2})÷(4×10^{1})$

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **Multiple Choice Questions**

1. $(2×10^{3})×(3×10^{2})$

a) $6×10^{5}$

b) $5×10^{5}$

c) $6×10^{6}$

d) $5×10^{6}$

2. $(4×10^{4})÷(2×10^{2})$

a) $2×10^{2}$

b) $2×10^{3}$

c) $4×10^{2}$

d) $4×10^{3}$

3. $(3×10^{5})×(2×10^{1})$

a) $6×10^{6}$

b) $5×10^{6}$

c) $6×10^{5}$

d) $5×10^{5}$

4. $(6×10^{6})÷(3×10^{1})$

a) $2×10^{5}$

b) $2×10^{6}$

c) $3×10^{5}$

d) $3×10^{6}$

5. $(5×10^{4})×(2×10^{2})$

a) $1×10^{7}$

b) $10×10^{6}$

c) $1×10^{6}$

d) $10×10^{7}$

6. $(8×10^{7})÷(4×10^{1})$

a) $2×10^{6}$

b) $2×10^{7}$

c) $4×10^{6}$

d) $4×10^{7}$

**Scientific Notation Multiplying and Dividing (Simplified) - Answers**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

Solve the following simpler problems involving multiplication and division of numbers in scientific notation. Express your answers in scientific notation.

 **Open Ended Questions**

1. $(2×10^{2})×(3×10^{1})$

$6×10^{3}$

2. $(4×10^{3})÷(2×10^{1})$

$2×10^{2}$

3. $(5×10^{2})×(2×10^{0})$

$1×10^{3}$

4. $(6×10^{4})÷(3×10^{2})$

$2×10^{2}$

5. $(7×10^{1})×(2×10^{0})$

$1.4×10^{2}$

6. $(8×10^{2})÷(4×10^{1})$

$2×10^{1}$

 **Multiple Choice Questions**

1. $(2×10^{3})×(3×10^{2})$

a) $6×10^{5}$

b) $5×10^{5}$

c) $6×10^{6}$

d) $5×10^{6}$

2. $(4×10^{4})÷(2×10^{2})$

a) $2×10^{2}$

b) $2×10^{3}$

c) $4×10^{2}$

d) $4×10^{3}$

3. $(3×10^{5})×(2×10^{1})$

a) $6×10^{6}$

b) $5×10^{6}$

c) $6×10^{5}$

d) $5×10^{5}$

4. $(6×10^{6})÷(3×10^{1})$

a) $2×10^{5}$

b) $2×10^{6}$

c) $3×10^{5}$

d) $3×10^{6}$

5. $(5×10^{4})×(2×10^{2})$

a) $1×10^{7}$

b) $10×10^{6}$

c) $1×10^{6}$

d) $10×10^{7}$

6. $(8×10^{7})÷(4×10^{1})$

a) $2×10^{6}$

b) $2×10^{7}$

c) $4×10^{6}$

d) $4×10^{7}$