

Scientific notation — Multiplying and dividing

Name: _____

Date: _____

Work each one out. Write every answer in scientific notation.

1

$$(1.2 \times 10^{-1}) \div (6 \times 10^3) = c \times 10^n$$

c = ____ n = ____

2

$$(5 \times 10^6) \div (2 \times 10^6) = c \times 10^n$$

c = ____ n = ____

3

$$(2 \times 10^{-2}) \div (5 \times 10^8) = c \times 10^n$$

c = ____ n = ____

4

$$(4 \times 10^5) \times (2 \times 10^5) = c \times 10^n$$

c = ____ n = ____

5

$$(8 \times 10^6) \times (6 \times 10^3) = c \times 10^n$$

c = ____ n = ____

6

$$(5 \times 10^5) \times (1.2 \times 10^{-5}) = c \times 10^n$$

c = ____ n = ____



Scientific notation · Multiplying and dividing — Answer key

1. $(1.2 \times 10^{-1}) \div (6 \times 10^3) = 2 \times 10^{-5}$

2. $(5 \times 10^6) \div (2 \times 10^6) = 2.5 \times 10^0$

3. $(2 \times 10^{-2}) \div (5 \times 10^8) = 4 \times 10^{-11}$

4. $(4 \times 10^5) \times (2 \times 10^5) = 8 \times 10^{10}$

5. $(8 \times 10^6) \times (6 \times 10^3) = 4.8 \times 10^{10}$

6. $(5 \times 10^5) \times (1.2 \times 10^{-5}) = 6 \times 10^0$

