



Solve each problem. Answer as a decimal (if necessary).

Answers

1) 2×10^9 is _____ $\times$ the value of 5×10^3

1. _____

2) 2×10^2 is _____ $\times$ the value of 6×10^9

2. _____

3) 9×10^3 is _____ $\times$ the value of 4×10^8

3. _____

4) 7×10^3 is _____ $\times$ the value of 6×10^4

4. _____

5) 9×10^8 is _____ $\times$ the value of 8×10^5

5. _____

6) 3×10^6 is _____ $\times$ the value of 6×10^7

6. _____

7) 5×10^3 is _____ $\times$ the value of 8×10^7

7. _____

8) 9×10^3 is _____ $\times$ the value of 8×10^4

8. _____

9) 5×10^9 is _____ $\times$ the value of 8×10^2

9. _____



Solve each problem. Answer as a decimal (if necessary).

- 1)
- 2×10^9
- is _____
- $\times$
- the value of
- 5×10^3

$$\frac{2 \times 10^9}{5 \times 10^3} = \frac{2}{5} \times \frac{10^9}{10^3} = \frac{2}{5} \times 10^6 = 0.4 \times 10^6$$

- 2)
- 2×10^2
- is _____
- $\times$
- the value of
- 6×10^9

$$\frac{2 \times 10^2}{6 \times 10^9} = \frac{2}{6} \times \frac{10^2}{10^9} = \frac{1}{3} \times 10^{-7} = 0.333 \times 10^{-7}$$

- 3)
- 9×10^3
- is _____
- $\times$
- the value of
- 4×10^8

$$\frac{9 \times 10^3}{4 \times 10^8} = \frac{9}{4} \times \frac{10^3}{10^8} = \frac{9}{4} \times 10^{-5} = 2.25 \times 10^{-5}$$

- 4)
- 7×10^3
- is _____
- $\times$
- the value of
- 6×10^4

$$\frac{7 \times 10^3}{6 \times 10^4} = \frac{7}{6} \times \frac{10^3}{10^4} = \frac{7}{6} \times 10^{-1} = 1.167 \times 10^{-1}$$

- 5)
- 9×10^8
- is _____
- $\times$
- the value of
- 8×10^5

$$\frac{9 \times 10^8}{8 \times 10^5} = \frac{9}{8} \times \frac{10^8}{10^5} = \frac{9}{8} \times 10^3 = 1.125 \times 10^3$$

- 6)
- 3×10^6
- is _____
- $\times$
- the value of
- 6×10^7

$$\frac{3 \times 10^6}{6 \times 10^7} = \frac{3}{6} \times \frac{10^6}{10^7} = \frac{1}{2} \times 10^{-1} = 0.5 \times 10^{-1}$$

- 7)
- 5×10^3
- is _____
- $\times$
- the value of
- 8×10^7

$$\frac{5 \times 10^3}{8 \times 10^7} = \frac{5}{8} \times \frac{10^3}{10^7} = \frac{5}{8} \times 10^{-4} = 0.625 \times 10^{-4}$$

- 8)
- 9×10^3
- is _____
- $\times$
- the value of
- 8×10^4

$$\frac{9 \times 10^3}{8 \times 10^4} = \frac{9}{8} \times \frac{10^3}{10^4} = \frac{9}{8} \times 10^{-1} = 1.125 \times 10^{-1}$$

- 9)
- 5×10^9
- is _____
- $\times$
- the value of
- 8×10^2

$$\frac{5 \times 10^9}{8 \times 10^2} = \frac{5}{8} \times \frac{10^9}{10^2} = \frac{5}{8} \times 10^7 = 0.625 \times 10^7$$

Answers1. **400,000**2. **0.0000000333**3. **0.0000225**4. **0.1167**5. **1,125**6. **0.05**7. **0.0000625**8. **0.1125**9. **6,250,000**