



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

Answers

1) 3×10^3 is _____ $\times$ the value of 6×10^7

1. _____

2) 9×10^2 is _____ $\times$ the value of 8×10^4

2. _____

3) 2×10^9 is _____ $\times$ the value of 4×10^4

3. _____

4) 5×10^2 is _____ $\times$ the value of 6×10^8

4. _____

5) 6×10^4 is _____ $\times$ the value of 7×10^3

5. _____

6) 5×10^9 is _____ $\times$ the value of 6×10^2

6. _____

7) 2×10^8 is _____ $\times$ the value of 4×10^9

7. _____

8) 6×10^8 is _____ $\times$ the value of 5×10^6

8. _____

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

9. _____



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

- 1)
- 3×10^3
- is _____
- $\times$
- the value of
- 6×10^7

$$\frac{3 \times 10^3}{6 \times 10^7} = \frac{3}{6} \times \frac{10^3}{10^7} = \frac{1}{2} \times 10^{-4} = 0.5 \times 10^{-4}$$

- 2)
- 9×10^2
- is _____
- $\times$
- the value of
- 8×10^4

$$\frac{9 \times 10^2}{8 \times 10^4} = \frac{9}{8} \times \frac{10^2}{10^4} = \frac{9}{8} \times 10^{-2} = 1.125 \times 10^{-2}$$

- 3)
- 2×10^9
- is _____
- $\times$
- the value of
- 4×10^4

$$\frac{2 \times 10^9}{4 \times 10^4} = \frac{2}{4} \times \frac{10^9}{10^4} = \frac{1}{2} \times 10^5 = 0.5 \times 10^5$$

- 4)
- 5×10^2
- is _____
- $\times$
- the value of
- 6×10^8

$$\frac{5 \times 10^2}{6 \times 10^8} = \frac{5}{6} \times \frac{10^2}{10^8} = \frac{5}{6} \times 10^{-6} = 0.833 \times 10^{-6}$$

- 5)
- 6×10^4
- is _____
- $\times$
- the value of
- 7×10^3

$$\frac{6 \times 10^4}{7 \times 10^3} = \frac{6}{7} \times \frac{10^4}{10^3} = \frac{6}{7} \times 10^1 = 0.857 \times 10^1$$

- 6)
- 5×10^9
- is _____
- $\times$
- the value of
- 6×10^2

$$\frac{5 \times 10^9}{6 \times 10^2} = \frac{5}{6} \times \frac{10^9}{10^2} = \frac{5}{6} \times 10^7 = 0.833 \times 10^7$$

- 7)
- 2×10^8
- is _____
- $\times$
- the value of
- 4×10^9

$$\frac{2 \times 10^8}{4 \times 10^9} = \frac{2}{4} \times \frac{10^8}{10^9} = \frac{1}{2} \times 10^{-1} = 0.5 \times 10^{-1}$$

- 8)
- 6×10^8
- is _____
- $\times$
- the value of
- 5×10^6

$$\frac{6 \times 10^8}{5 \times 10^6} = \frac{6}{5} \times \frac{10^8}{10^6} = \frac{6}{5} \times 10^2 = 1.2 \times 10^2$$

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

$$\frac{9 \times 10^3}{3 \times 10^8} = \frac{9}{3} \times \frac{10^3}{10^8} = \frac{3}{1} \times 10^{-5} = 3 \times 10^{-5}$$

Answers1. **0.00005**2. **0.01125**3. **50,000**4. **0.000000833**5. **8.57**6. **8,330,000**7. **0.05**8. **120**9. **0.0000**