

QOD #2

Solve the following problem:

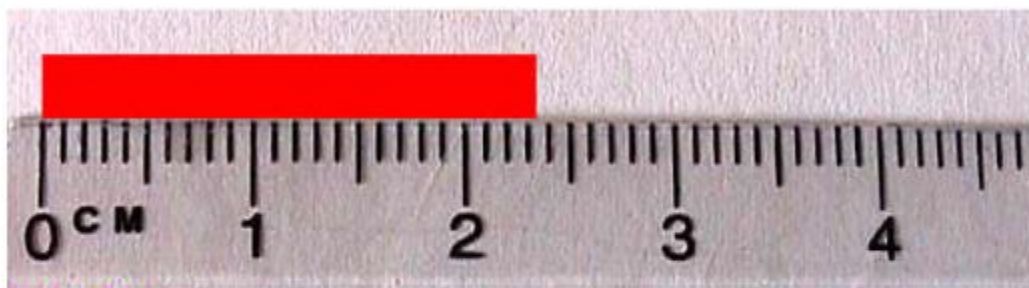
$$(5.0 \times 10^9 \text{ km}) \cdot (2.5 \times 10^3 \text{ km})$$

(A) $1.25 \times 10^{13} \text{ km}^2$

(B) $1.25 \times 10^6 \text{ km}^2$

(C) $1.25 \times 10^{12} \text{ km}^2$

(D) $1.25 \times 10^7 \text{ km}^2$



QOD #4

What is the reading on the ruler?

(A) 2.3 cm

(B) 2.33 cm

(C) 2.303 cm

(D) $2 \frac{1}{3} \text{ cm}$

QOD #6

Which measurement contains only non-significant zeroes?

(A) 450. mL

(B) 0.0450 mL

(C) 0.045 mL

(D) 0.0405 mL

QOD #8

What is the product of $(2.324 \text{ cm} \times 1.11 \text{ cm})$ expressed to the correct # of significant figures?

(A) 2.5796 cm^2

(B) 2.5780 cm^2

(C) 2.58 cm^2

(D) 2.578 cm^2

QOD #10

A student determined the melting point of a substance to be 55.2°C . If the accepted value is 50.1°C , what is the percent error in the student's determination?

(A) 5.10

(B) 9.24

(C) 10.2

(D) 12.0

Q
D

12

How many meters are equal to 4.57×10^{19} nm?

A 4.57×10^{28}

B 4.57×10^{25}

C 4.57×10^{13}

D 4.57×10^{10}