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1. What is the product of $(2.324 \text{ cm} \times 1.11 \text{ cm})$ expressed to the correct number of significant figures?
A) 2.58 cm^2 B) 2.5780 cm^2
C) 2.5796 cm^2 D) 2.57964 cm^2
2. What is the sum of $0.0421 \text{ g} + 5.263 \text{ g} + 2.13 \text{ g}$ to the correct number of significant digits?
A) 7 g B) 7.4 g
C) 7.44 g D) 7.435 g
3. Add the following three numbers and report your answer using significant figures:
 $2.5 \text{ cm} + 0.50 \text{ cm} + 0.055 \text{ cm} = ?$
A) 3.055 cm B) 3.06 cm
C) 3.1 cm D) 3.0 cm
E) 3 cm
4. Multiply the following three numbers and report your answer to the correct number of significant figures:
 $0.020 \text{ cm} \times 50 \text{ cm} \times 11.1 \text{ cm} = ?$
A) 10 cm^3 B) 11 cm^3
C) $11. \text{ cm}^3$ D) 11.1 cm^3
E) 11.10 cm^3
5. Divide the following measurements and report your answer to the correct number of significant figures:
 $0.530 \text{ g} / 0.1010 \text{ mL} = ?$
A) 2 g/mL B) 5.2 g/mL
C) 5.3 g/mL D) 5.25 g/mL
E) 5.248 g/mL
6. Give correct answer with appropriate number of sigfigs.
 $17.1 \text{ cm} + 18.75 \text{ cm}$
A) 35.85 cm B) 35 cm
C) 35.8 cm D) 35.9 cm
7. Give correct answer with appropriate number of sigfigs.
 $2.55 \text{ km} \times 6.7 \text{ km}$
A) 17.085 km^2 B) 17.1 km^2
C) 17.09 km^2 D) 17 km^2
8. Give correct answer with appropriate number of sigfigs.
 $26.24 \text{ cm}^2 \div 4.41 \text{ cm}$
A) 5.95011337 cm B) 5.95 cm
C) 5.9 cm D) 6.00 cm
9. Give correct answer with appropriate number of sigfigs.
 $28.113 \text{ cm} + 44.56 \text{ cm} + 114.3 \text{ cm}$
A) 186.973 cm B) 186.97 cm
C) 187.0 cm D) 186.9 cm
10. Perform the calculation with the correct number of significant digits.
 $(6.2215 + 1.67 + 2.3)/10.00$
A) 1.01915 B) 1.0
C) 1.02 D) 1.019
E) 1.0192
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