

CHAPTER-7 | Area

QUIZ
PART-26

1. The standard dimensions of an A4 sheet are approximately:

A. 21 cm $\times$ 29.7 cm
B. 20 cm $\times$ 30 cm
C. 25 cm $\times$ 35 cm
D. 18 cm $\times$ 24 cm (A)

Explanation: An A4 sheet has standard dimensions of 21 cm $\times$ 29.7 cm.

2. The approximate area of an A4 sheet is:

A. 623.7 cm²
B. 507 cm²
C. 420 cm²
D. 297 cm² (A)

Explanation: Area = 21 $\times$ 29.7 = 623.7 cm².

3. To estimate the area of a tabletop, the chapter suggests using:

A. Coins
B. A4 sheets
C. A ruler only
D. A string (B)

Explanation: Counting how many A4 sheets fit on the tabletop helps estimate its area.

4. To convert inches into centimetres, we use:

A. 1 in = 2 cm
B. 1 in = 2.54 cm
C. 1 in = 3 cm
D. 1 in = 2.5 cm (B)

Explanation: One inch is exactly equal to 2.54 centimetres.

5. The length 5 inches is equal to:

A. 10.00 cm
B. 11.50 cm
C. 12.70 cm
D. 15.24 cm (C)

Explanation: 5 $\times$ 2.54 = 12.70 cm.

6. The length 7.4 inches is equal to approximately:

A. 18.80 cm
B. 18.00 cm
C. 17.40 cm
D. 19.70 cm (A)

Explanation: 7.4 $\times$ 2.54 = 18.796 cm $\approx$ 18.80 cm.

7. The length 5.08 cm is equal to:

A. 1 inch
B. 2 inches
C. 3 inches
D. 4 inches (B)

Explanation: 5.08 $\div$ 2.54 = 2 inches.

8. The length 11.43 cm is equal to:

A. 3 inches
B. 4 inches
C. 4.5 inches
D. 5 inches (C)

Explanation: 11.43 $\div$ 2.54 = 4.5 inches.

9. Which unit is commonly used to measure the area of paper?

A. cm
B. cm²
C. m
D. mm (B)

Explanation: Area is always measured in square units such as cm².

10. The activities in Part 26 mainly help students:

A. Learn algebraic identities
B. Estimate real-life areas and convert measurement units
C. Study circles
D. Solve probability questions (B)

Explanation: This part focuses on practical estimation of areas and conversion between inches and centimetres.