



Perimeter, Area, and Surface Area

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A box is 4 ft long, 3 ft wide, 2 ft tall. What is its volume?

- A) 24 cubic ft
- B) 12 cubic ft
- C) 9 cubic ft
- D) 26 cubic ft

2. A fish tank is 10 in by 6 in by 8 in. What is the volume needed to fill it?

- A) 240 cubic in
- B) 480 cubic in
- C) 60 cubic in
- D) 376 cubic in

3. A room is 12 ft by 10 ft by 8 ft. How much wall and ceiling paint surface area is needed (all 6 faces)?

- A) 240 sq ft
- B) 560 sq ft
- C) 592 sq ft
- D) 192 sq ft

4. A cube has side length 5 cm. What is its surface area?

- A) 125 sq cm
- B) 100 sq cm
- C) 30 sq cm
- D) 150 sq cm

Part B: Fill in the Blank

Write the correct answer on each line.

1. A prism 5 m x 4 m x 3 m has volume _____ cubic meters.
2. A box 6 ft x 5 ft x 2 ft has surface area _____ sq ft.
3. A cube 4 in on each side has volume _____ cubic in.
4. A tank 8 cm x 5 cm x 10 cm holds _____ cubic cm of water when full.
5. A box 3 m x 3 m x 3 m has surface area _____ sq m.

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Part B: Fill in the Blank

Write the correct answer on each line.

1. A prism 5 m x 4 m x 3 m has volume 60 cubic meters.
2. A box 6 ft x 5 ft x 2 ft has surface area 104 sq ft.
3. A cube 4 in on each side has volume 64 cubic in.
4. A tank 8 cm x 5 cm x 10 cm holds 400 cubic cm of water when full.
5. A box 3 m x 3 m x 3 m has surface area 54 sq m.