LESSON MAKER PRO

Measure Match Mission

Choose the measurement that fits each job.

GRADE 5 · 5.MG.2.f

5.MG.2.f "Identify whether the application of the concept of perimeter, area, or volume is appropriate for a given situation."

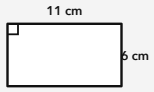
NAME _____ DATE _____

PICK THE RIGHT MEASURE

Use perimeter for the distance around an edge. Use area for the space covering a flat surface. Use volume for the space inside a solid that can be filled.

WORKED EXAMPLE

Look at the patio. What measurement tells how many square centimeters of tile cover its top? Find it.



1. Tile covers a flat surface, so use area.
2. Area = length × width.
3. 11 × 6 = 66 cm^2.

Answer: Area, 66 cm^2

PRACTICE 4 problems

1 A 9 cm by 5 cm photo needs ribbon around its edge. What measurement should you use? Find the amount.

ANSWER _____

2 A 7 m by 4 m wall will be painted. What measurement should you use? Find the amount.

ANSWER _____

3 A box is 8 cm long, 3 cm wide, and 2 cm high. It will be filled with cubes. What measurement should you use? Find the space inside.

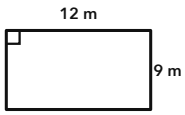
ANSWER _____

4 A 10 cm by 6 cm notebook cover needs a sticker. What measurement should you use? Find the amount.

ANSWER _____

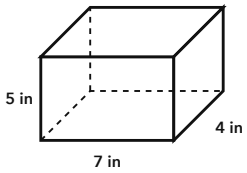
APPLY IT Show your work

1 The art club puts rope around the outside edge of the dance floor shown. How much rope is needed?



ANSWER _____

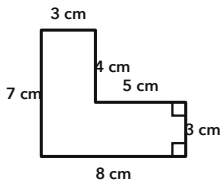
2 A gamer stores building bricks in the container shown. How many cubic inches can the container hold?



ANSWER _____

CHALLENGE One step up

The figure shows an L-shaped game platform. Turf covers the platform, and lights go around its outside. Which measurement is needed for each job? Find both amounts. Explain why.



WORK SPACE AND ANSWER

ANSWER KEY

Measure Match Mission

GRADE 5 · 5.MG.2.f

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A 9 cm by 5 cm photo needs ribbon around its edge. What measurement should you use? Find the amount.	**Perimeter, 28 cm**
2	A 7 m by 4 m wall will be painted. What measurement should you use? Find the amount.	**Area, 28 m^2**
3	A box is 8 cm long, 3 cm wide, and 2 cm high. It will be filled with cubes. What measurement should you use? Find the space inside.	**Volume, 48 cm^3**
4	A 10 cm by 6 cm notebook cover needs a sticker. What measurement should you use? Find the amount.	**Area, 60 cm^2**

PART 2 · APPLY IT

1. **42 m of rope** Rope goes around the edge, so use perimeter. 2 × (12 + 9) = 42 m.
2. **140 in^3** The container is filled, so use volume. 7 × 4 × 5 = 140 in^3.

CHALLENGE

Turf: area, 36 cm^2. Lights: perimeter, 30 cm. Area measures the surface covered, and perimeter measures the outside edge.

Accept correct units written as square or cubic units. For the challenge, accept equivalent area reasoning, such as 8 × 7 - 5 × 4 = 36.