

Perimeter Paths

Measure the distance around each shape.

GRADE 3 • 3.MG.2.b.i

3.MG.2.b.i "Solve problems, including those in context, involving perimeter: describe and give examples of perimeter as a measurement in contextual situations;"

NAME _____

DATE _____

AROUND THE OUTSIDE

Perimeter is the distance all the way around the outside of a shape. Add the lengths of every side, and write the correct unit. On a rectangle, opposite sides have the same length.

WORKED EXAMPLE

A rectangle is 11 cm long and 5 cm wide. What is its perimeter?

1. Write the lengths of all four sides: 11 cm, 5 cm, 11 cm, 5 cm.
2. Add the side lengths: $11 + 5 + 11 + 5$.
3. The sum is 32.

Answer: 32 cm

PRACTICE 6 problems

- 1** A rectangle is 6 cm long and 2 cm wide. What is its perimeter?

ANSWER _____

- 2** A square has side lengths of 7 m. What is its perimeter?

ANSWER _____

- 3** A triangle has side lengths of 8 in., 6 in., and 9 in. What is its perimeter?

ANSWER _____

- 4** A four-sided shape has side lengths of 4 cm, 8 cm, 4 cm, and 8 cm. What is its perimeter?

ANSWER _____

- 5** A rectangle is 13 m long and 1 m wide. What is its perimeter?

ANSWER _____

- 6** A five-sided shape has side lengths of 3 cm, 3 cm, 6 cm, 8 cm, and 4 cm. What is its perimeter?

ANSWER _____

APPLY IT Show your work

- 1** A game designer puts a border around a rectangular game table. The table is 14 ft long and 6 ft wide. How many feet of border does the designer need?

WORK SPACE

ANSWER _____

- 2** A student decorates a rectangular art display with ribbon. The display is 12 in. long and 7 in. wide. How many inches of ribbon are needed to go all the way around it?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A rectangle has a perimeter of 34 cm. One long side is 9 cm. What is the length of one short side?

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A rectangle is 6 cm long and 2 cm wide. What is its perimeter?	16 cm
2	A square has side lengths of 7 m. What is its perimeter?	28 m
3	A triangle has side lengths of 8 in., 6 in., and 9 in. What is its perimeter?	23 in.
4	A four-sided shape has side lengths of 4 cm, 8 cm, 4 cm, and 8 cm. What is its perimeter?	24 cm
5	A rectangle is 13 m long and 1 m wide. What is its perimeter?	28 m
6	A five-sided shape has side lengths of 3 cm, 3 cm, 6 cm, 8 cm, and 4 cm. What is its perimeter?	24 cm

PART 2 • APPLY IT

1. **40 ft** Add all four sides: $14 + 6 + 14 + 6 = 40$.
2. **38 in.** Add the four side lengths: $12 + 7 + 12 + 7 = 38$.

CHALLENGE

8 cm

Accept any correct addition strategy that includes every outside side exactly once. Students should include the matching unit in each perimeter answer.