🏠 Area & Perimeter Review page 1 of 2
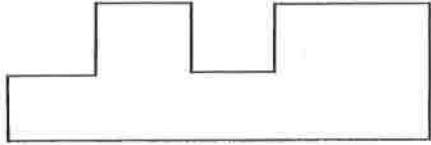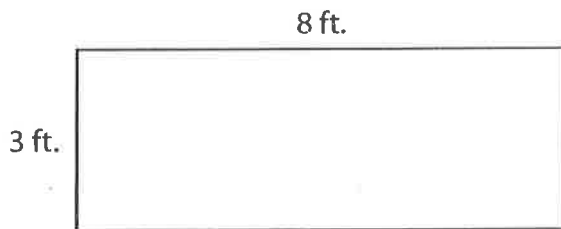
1 Hector says you have to measure the length of every side of this figure to find its perimeter. Do you agree with him? Why or why not? Use numbers, labeled sketches, and words to explain your answer.

2 Which equation shows how to find the perimeter of this rectangle?

8 ft.

3 ft.

○ $3 \times 8 = 24$ ft.

○ $(2 \times 3) + 8 = 14$ ft.

○ $(2 \times 3) + (2 \times 8) = 22$ ft.

○ $4 + 8 = 12$ ft.

3 Mr. Hunter is trying to find the distance from one end of his whiteboard to the other. Mr. Hunter is measuring:

whiteboard

○ the board's area

○ the board's length

○ the board's perimeter

4 Which of these situations is about perimeter?

○ determining the number of tiles needed to cover a floor

○ determining how many feet of fencing is needed to surround a back yard

○ determining the width of a table

5 Beckett and his mom are going to paint the living room. They need to measure the room so they know how much paint to buy. They should measure the wall in:

○ square centimeters

○ square feet
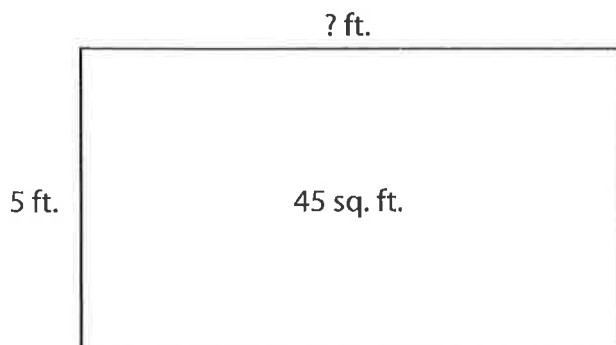
○ square inches

○ square miles

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6 This rectangle has an area of 45 square feet. What is the missing measure? Show your work.

? ft.

5 ft.   45 sq. ft.

7 Tom wants to find the area of his school's basketball court. Which formula should he use? (circle one)

$A = l + w$ $A = l \times w$ $A = l - w$ $A = (2 \times w) + (2 \times l)$

8 Alexandra and her dad build a deck in their backyard. It had an area of 48 square feet and a perimeter of 28 feet. Circle the drawing that shows the deck they built. Use numbers, labeled sketches, and words to explain your answer.

6 ft.

8 ft.

9 ft.

5 ft.

12 ft.

4 ft.