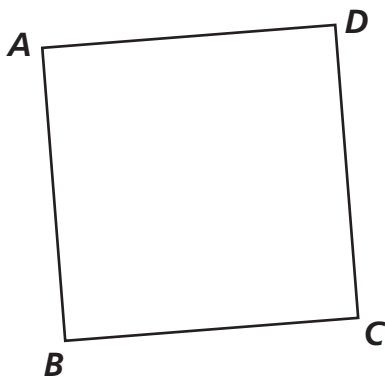# Length and Perimeter

Measure the sides of each figure to the nearest centimeter. Record the perimeter in cm.
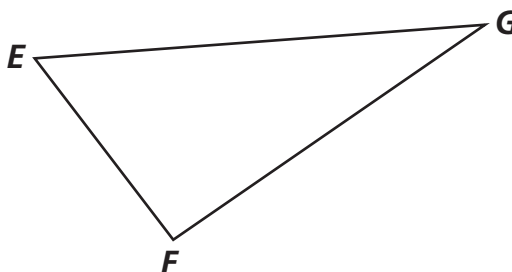
1

$\overline{AB}$ _____ $\overline{BC}$ _____

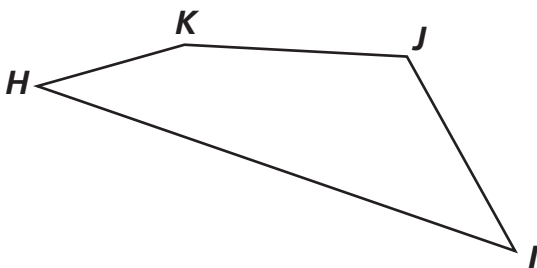$\overline{CD}$ _____ $\overline{DA}$ _____

Perimeter _____

2

$\overline{EF}$ _____ $\overline{FG}$ _____

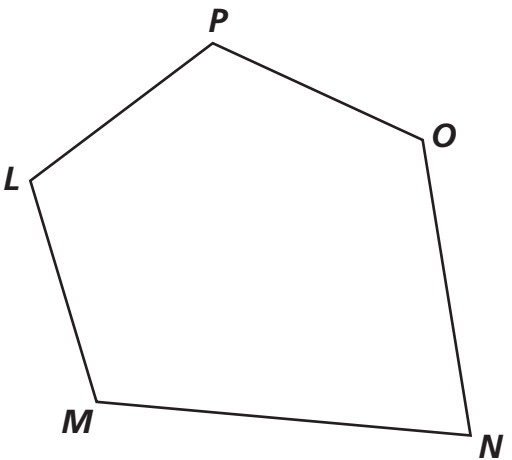$\overline{GE}$ _____

Perimeter _____

3

$\overline{HI}$ _____ $\overline{IJ}$ _____

$\overline{JK}$ _____ $\overline{KH}$ _____

Perimeter _____

4

$\overline{LM}$ _____ $\overline{MN}$ _____
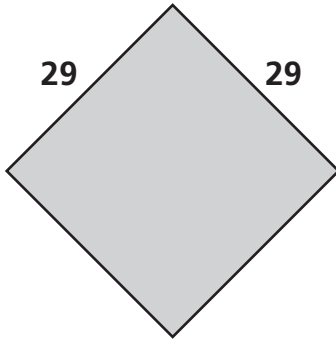
$\overline{NO}$ _____ $\overline{OP}$ _____

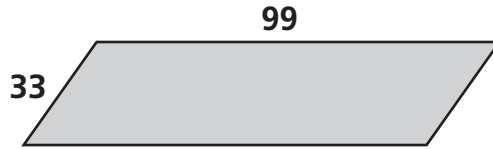$\overline{PL}$ _____   Perimeter _____

Perimeter Formulas
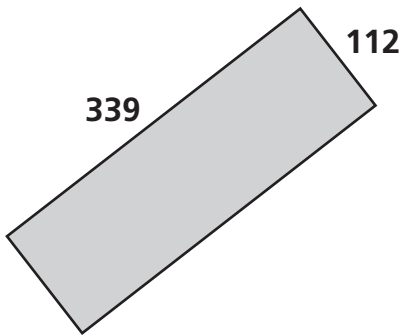
Find the perimeter of each parallelogram.

1

29   29

Perimeter _____ units

2

99

33

Perimeter _____ units

3

112

339
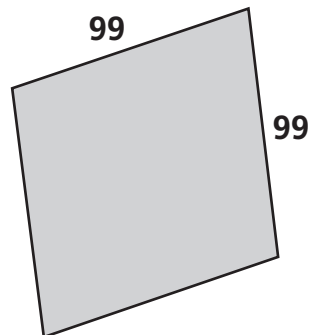
Perimeter _____ units

4

99

99

Perimeter _____ units

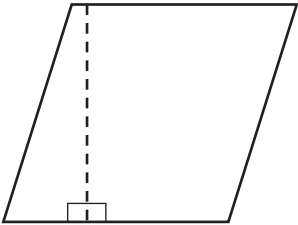**Test Prep**

5 Taylor used 64 feet of fencing to enclose a square
pen for his dog. How long is each side of the pen?
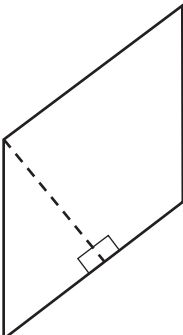Explain how you know.

_____

_____

Area of Parallelograms

Find the area of each parallelogram.
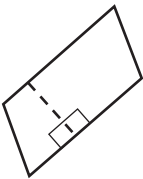**Record the area in square centimeters (sq cm).**
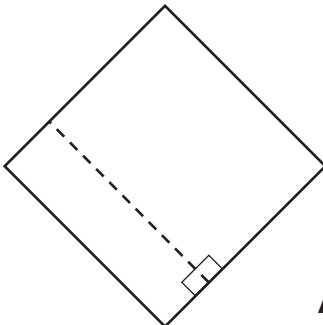
1

Base 3 cm

Height 3 cm

Area _____

2

Base 3 cm

Height 2 cm

Area _____

3

Base 2 cm

Height 1 cm

Area _____

4

Base 3 cm
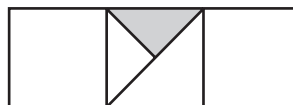
Height 3 cm

Area _____

Solve the problem.

5 A rectangular field measures 12 feet by 8 feet. A farmer needs
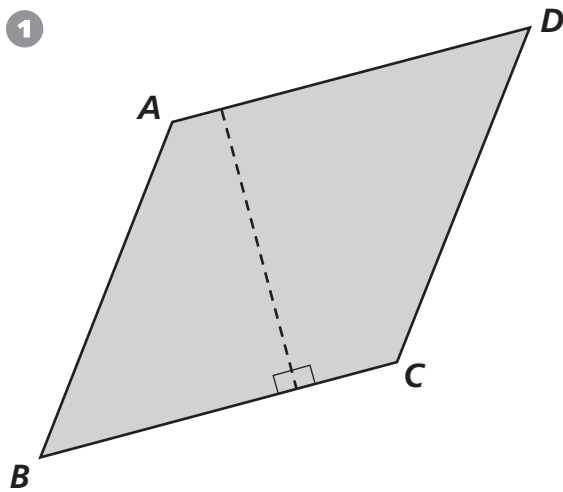to know the area in order to buy seed. What is the area? _____

Test Prep

6 The area of the large shaded rectangle is 1. What fraction
can you write for the area of the shaded triangle? Explain.

| Area is 1 |

_____

_____
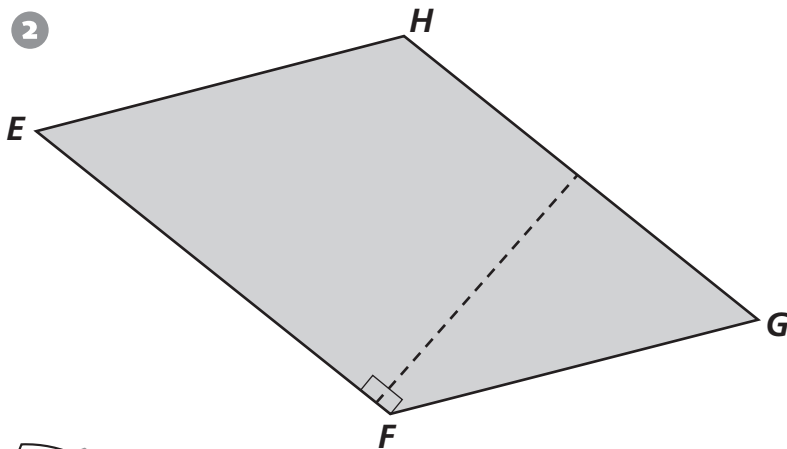
_____

Measuring to Find Areas of Parallelograms

Cut out the ruler on the right, if needed. Measure the sides and height of each parallelogram to the nearest cm. Record the area and perimeter for each figure.
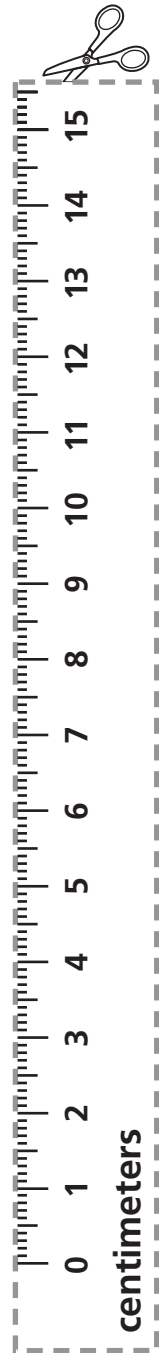
1

Base $\overline{BC}$ _____

Height _____

Area _____

Perimeter _____

2

Base $\overline{EF}$ _____

Height _____

Area _____

Perimeter _____

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
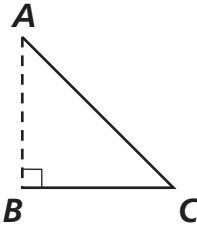**centimeters**

Test Prep

3 Mario noticed that if he put 4 stickers on each page of his sticker album, he would have 2 left over. If he put 3 on each page, there would also be 2 left over. Mario had more than 10 stickers, but fewer than 30 stickers. How many stickers did he have?

A. 12 or 26 stickers　　**C.** 14 or 21 stickers
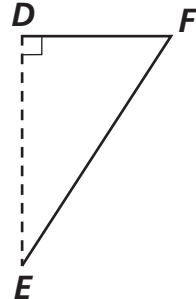
B. 14 or 26 stickers　　**D.** 13 or 25 stickers

Area of Triangles and Trapezoids

Find the area and perimeter of each figure using the (approximate) measures given.
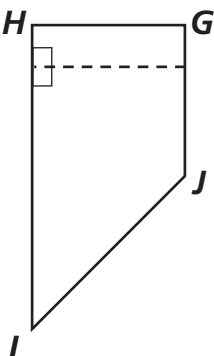
1 A

B ⌐ C

Base $\overline{BC}$ 2 cm

Height 2 cm

Side $\overline{AB}$ 2 cm

Side $\overline{AC}$ 3 cm
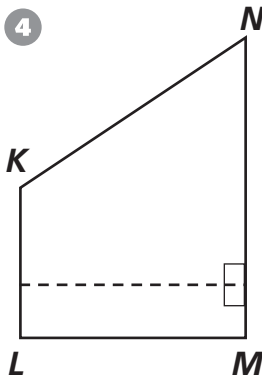
Area _____

Perimeter _____

2 D F

E

Base $\overline{DF}$ 2 cm

Height 3 cm

Side $\overline{DE}$ 3 cm

Side $\overline{EF}$ 4 cm

Area _____

Perimeter _____

3 H G

J

I

Base $\overline{GJ}$ 2 cm

Base $\overline{HI}$ 4 cm

Height 2 cm

Side $\overline{GH}$ 2 cm

Side $\overline{JI}$ 3 cm

Area _____

Perimeter _____

4 N

K

L M

Base $\overline{KL}$ 2 cm

Base $\overline{MN}$ 4 cm

Height 3 cm

Side $\overline{KN}$ 4 cm

Side $\overline{LM}$ 3 cm

Area _____

Perimeter _____

Test Prep

5 Mr. Howe's rectangular garden has an area of 24 square feet. One of these could NOT be the length of the fence around the garden. Circle it. Explain how you know.

16 feet   20 feet   22 feet   28 feet

_____

_____

_____

Area and Perimeter of Other Polygons

Use measurements to the nearest centimeter to find the perimeter. Use a ruler to draw lines showing how you would split each polygon into triangles to find its area.
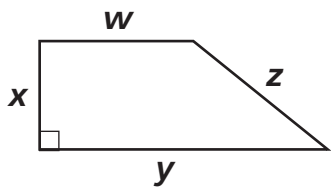
1

Perimeter _____

2

Perimeter _____

Test Prep

3 Which measurement is NOT needed to find the area of the trapezoid?

w

x

z

y

A. *w* **C.** *z*

B. *y* **D.** *x*

---

4 Which polygon does NOT have at least 2 lines of symmetry?

A. square **C.** right triangle

B. equilateral triangle **D.** rectangle