

Luna's Space Adventure

Grade 3 · Perimeter as distance around · 3.GR.C.8

Name _____

Date _____

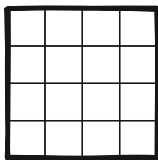


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

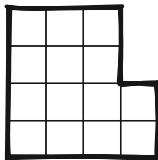
Walk around the shape Count the unit lengths all the way around. That is the perimeter.



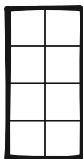
units



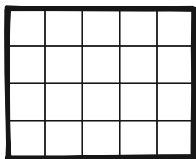
units



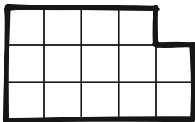
units



units



units



units

Around or covering? Perimeter goes around the edge. Area covers the inside.

a frame around a photo	perimeter	area	a rug on the floor	perimeter	area
a path around a pond	perimeter	area	grass for a field	perimeter	area
trim around a window	perimeter	area	a cloth on a table	perimeter	area

All the way around

- 1 Nova glues ribbon all the way around a card 18 cm long and 8 cm wide. How much ribbon does Nova need?

.....

_____ cm

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ANSWER KEY

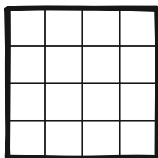


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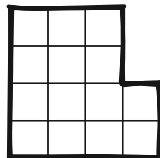
Walk around the shape Count the unit lengths all the way around. That is the perimeter.



10 units



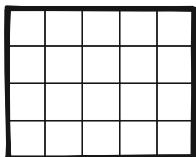
16 units



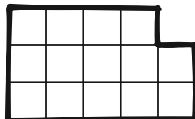
16 units



12 units



18 units



16 units

Around or covering? Perimeter goes around the edge. Area covers the inside.

a frame around a photo	perimeter	area	a rug on the floor	perimeter	area
a path around a pond	perimeter	area	grass for a field	perimeter	area
trim around a window	perimeter	area	a cloth on a table	perimeter	area

All the way around

- 1 Nova glues ribbon all the way around a card 18 cm long and 8 cm wide. How much ribbon does Nova need?

$18 + 8 + 18 + 8 = 52$

52 cm

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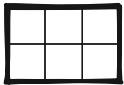
GUIDE

① What this sheet practises

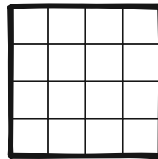
Perimeter as the distance all the way around a shape. Your child counts unit lengths around grid shapes, tells perimeter from area, and adds side lengths in stories.

② A problem from the sheet, worked out

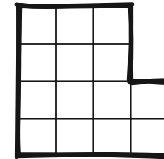
Walk around the shape Count the unit lengths all the way around. That is the perimeter.



10 units



16 units



16 units

How: Start at one corner and walk around the outside edge, counting each unit length once until you're back at the start. Or add up all the side lengths.

③ Words to know

perimeter the distance all the way around a shape

side one straight edge of a shape

unit the length you count by

area the space inside a shape

④ Watch for

- Counting the squares inside (the area) instead of the edges around.
- Counting a corner square once when it has two outside edges.
- Adding only two sides of a rectangle: a 12 by 6 card needs $12 + 6 + 12 + 6$.

⑤ Where it fits

BEFORE

2.MD.A.1

Measure length with a ruler, yardstick, meter stick or tape.

THIS SHEET

3.GR.C.8

Understand perimeter as the distance around a shape, and measure it.

NEXT

3.MD.D.8

Solve perimeter problems, including finding a missing side.

⑥ Helping at home

Walk the edge of a rug, table or room, counting steps or measuring with string. Then ask how you'd find the space it covers instead.