Yr 4 Measures and data Unit 4 (4993)

Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Perimeter of rectangles Sheet 1

Working towards ARE

Day 1 Perimeter of rectangles Sheet 2

Working at ARE / Greater Depth Greater Depth should also complete the Challenge.

Day 2 Perimeters Sheet 1

Working towards ARE / Working at ARE / Greater Depth
Working towards ARE find the perimeters of each shape.
Working at ARE / Greater Depth predict the order of perimeters (smallest to biggest)
BEFORE calculating the perimeters.

Day 3 Area and perimeter Sheet 1

Working towards ARE

Day 3 Area and perimeter Sheet 2

Working at ARE

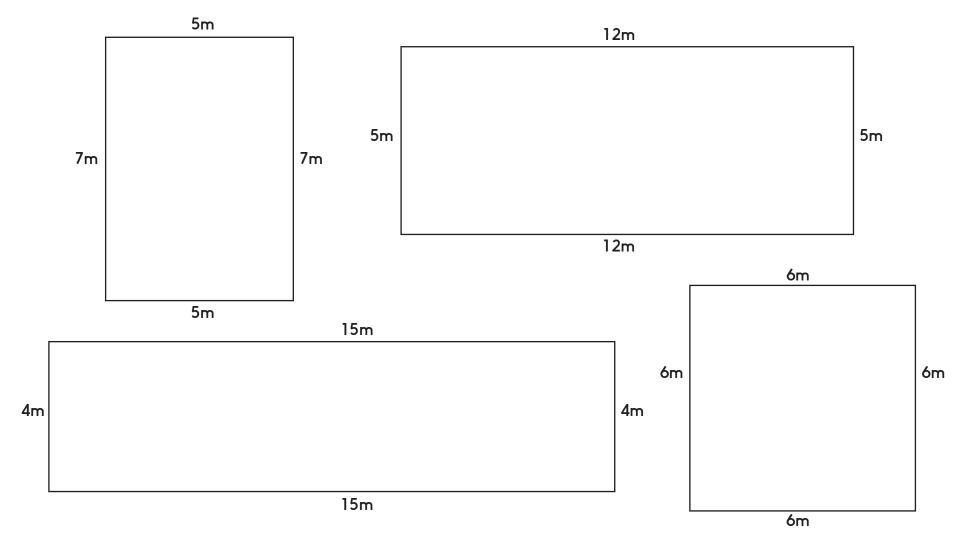
Day 3 Area and perimeter Sheet 3

Greater Depth

Perimeter of rectangles

Sheet 1

Calculate the perimeter of each rectangle.



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practice_meas-data_4993_day1

	Perime	eter of rectangles Sheet 2		
Calculate the per				
3m				
				5m
			4m	
7m				
		22m		
			8	3m
10r	_	6m		
TOR	n			
	Challenge			
	Draw a square with sides of 10ci	m.		
	Now draw other rectangles with	a perimeter of 40cm.		

Perimeters

Sheet 1

Which of these shapes has the greatest perimeter? Find the perimeter of these shapes.
Write the perimeter in each shape.

A			В		С			
						Е		
	D							
					G			
Г								
F								

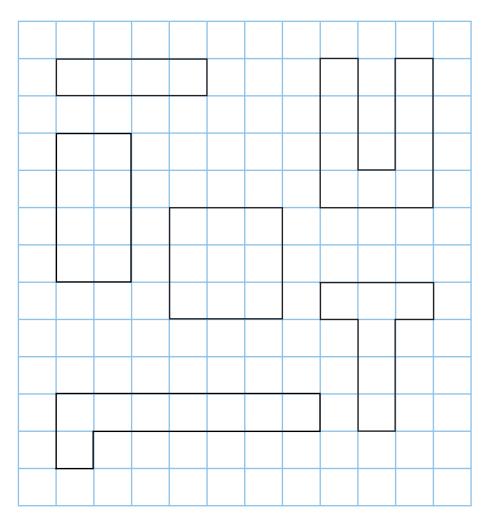
Challenge

Georgia says, 'Finding these perimeters was easy! I did 2x the sum of the longest side and width of each shape. Like for shape C, I did 2x (4 + 2).' Does this strategy work? Does it work for all of the shapes?

Area and perimeter

Sheet 1

Label each shape with a letter A to F to describe its area and perimeter.



A Area: 9cm²

Perimeter: 20cm

B Area: 8cm²

Perimeter: 18cm

C Area: 4cm²

Perimeter: 10cm

D Area: 9cm²

Perimeter: 12cm

E Area: 6cm²

Perimeter: 14cm

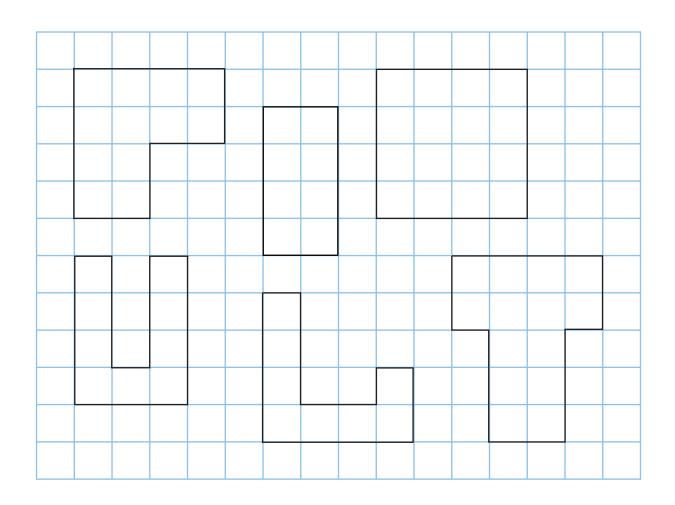
F Area: 8cm²

Perimeter: 12cm

Area and perimeter

Sheet 2

Label each shape with a letter A to F to describe its area and perimeter.

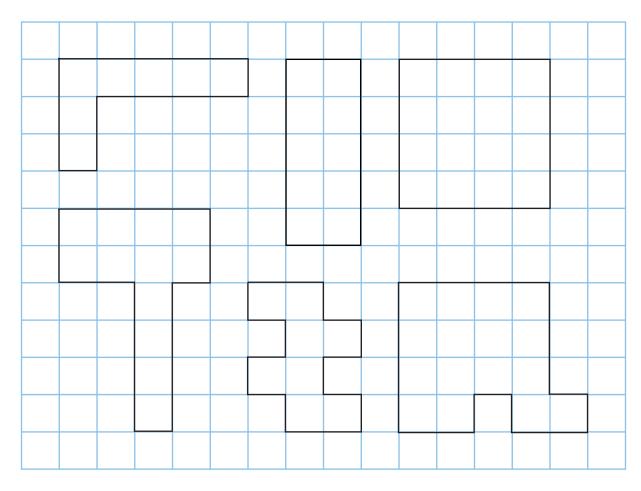


- A Area: 8cm²
 Perimeter: 18cm
- B Area: 12cm²
 Perimeter: 16cm
- C Area: 8cm²
 Perimeter: 12cm
- D Area: 14cm²
 Perimeter: 18cm
- E Area: 16cm²
 Perimeter: 16cm
- F Area: 9cm²
 Perimeter: 20cm

Area and perimeter

Sheet 3

Label each shape with a letter A to F to describe its area and perimeter.



- A Area: 10cm²
 Perimeter: 14cm
- B Area: 8cm²
 Perimeter: 18cm
- C Area: 16cm²
 Perimeter: 20cm
- D Area: 16cm²
 Perimeter: 16cm
- E Area: 12cm²
 Perimeter: 20cm
- F Area: 7cm²
 Perimeter: 16cm

Measures and data

Answers

Day 1 Perimeter of rectangles Sheet 1

7m + 5m + 7m + 5m = 24m 12m + 5m + 12m + 5m = 34m 15m + 4m + 15m + 4m = 38m6m + 6m + 6m + 6m = 24m

Day 1 Perimeter of rectangles Sheet 2

7m + 3m + 7m + 3m = 20m 10m + 4m + 10m + 4m = 28m 5m + 5m + 5m + 5m = 20m 22m + 10m + 22m + 10m = 64m 8m + 6m + 8m + 6m = 28m

Day 2 Perimeters Sheet 1

A = **12cm**

B = 14cm C = 12cm

D = 22cm

E = 24cm

F = **22cm**

G = 28cm

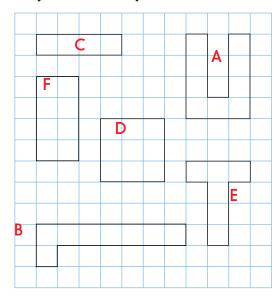
Challenge

This works for all shapes, except E. The strategy works when a corner has been 'pushed in', e.g.

has the same perimeter as

Shape G has the largest perimeter.

Day 3 Area and perimeter Sheet 1

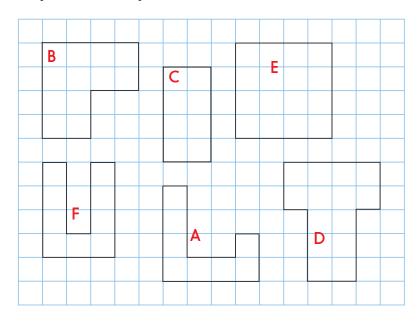


- A Area: 9cm²
 Perimeter: 20cm
- B Area: 8cm²
 Perimeter: 18cm
- C Area: 4cm² Perimeter: 10cm
- D Area: 9cm²
 Perimeter: 12cm
- E Area: 6cm²
 Perimeter: 14cm
- F Area: 8cm²
 Perimeter: 12cm

Measures and data

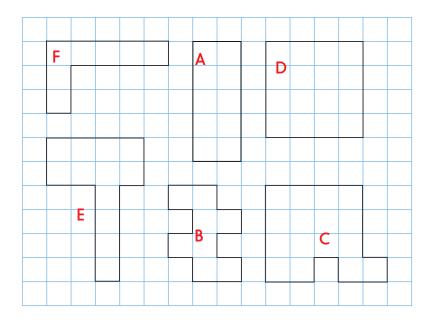
Answers

Day 3 Area and perimeter Sheet 2



- A Area: 8cm²
 Perimeter: 18cm
- B Area: 12cm²
 Perimeter: 16cm
- C Area: 8cm²
 Perimeter: 12cm
- D Area: 14cm²
 Perimeter: 18cm
- E Area: 16cm²
 Perimeter: 16cm
- F Area: 9cm²
 Perimeter: 20cm

Day 3 Area and perimeter Sheet 3



- A Area: 10cm² Perimeter: 14cm
- B Area: 8cm²
 Perimeter: 18cm
- C Area: 16cm²
 Perimeter: 20cm
- D Area: 16cm²
 Perimeter: 16cm
- E Area: 12cm²
 Perimeter: 20cm
- F Area: 7cm²