Maths Answer Pack – Week 11

Lesson 1 – Teach and Practise – Calculate Perimeter
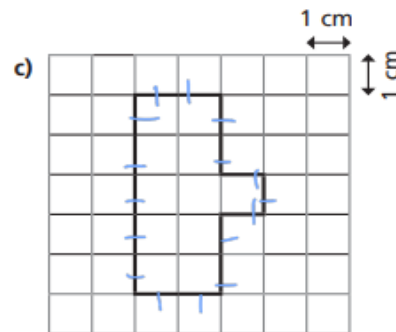
Calculate perimeter
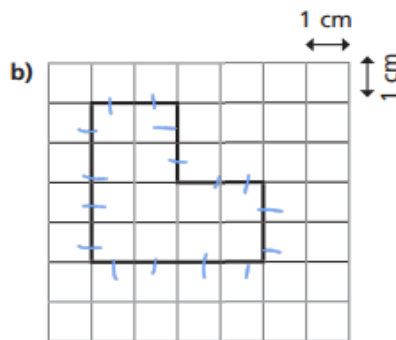
White Rose Maths

1 Calculate the perimeter of each shape.

a)

1 cm

1 cm

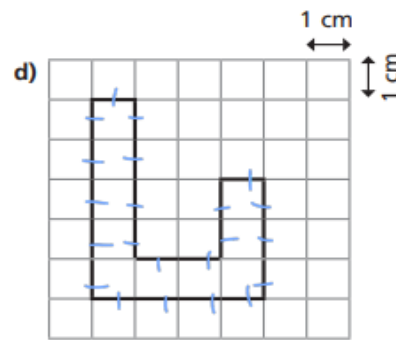**14 cm**

c)

1 cm

1 cm

16 cm

b)

1 cm

1 cm

16 cm

d)

1 cm

1 cm

22 cm

2 Calculate the perimeter of these shapes.

a)

8 cm

3 cm   3 cm

8 cm

22 cm

b)

10 cm

6 cm

8 cm

24 cm

3 Calculate the perimeter of these shapes.

a)

3 cm

5 cm

7 cm

4 cm

2 cm

7 cm

28 cm

b)

6 cm

7 cm   7 cm

3 cm

4 cm

1 cm   2 cm

34 cm

4 Work out the missing lengths on these shapes.

a)

3 cm

5 cm

[4] cm

[9] cm

7 cm

b)

10 cm

6 cm

[8] cm

[7] cm   2 cm

3 cm

Discuss with a partner how you worked them out.

5 Calculate the perimeter of these shapes.

a)

10 cm

4 cm

2 cm

9 cm

38cm

b)

9.2 cm   9.2 cm

4 cm

3.5 cm   3.5 cm

33·4cm

6 Mo thinks that there is not enough information to calculate the perimeter of the shape.

Is he correct? How do you know?

17 cm

3 cm

12cm

9 cm

No.   The perimeter   is 58 cm.

7 Rosie is making shapes made up of 3 rectangles.

Each rectangle has a length of 10 cm and a width of 4 cm.

She makes these 2 shapes.

A

B

a) Which shape has the greatest perimeter? __B__

b) What other shapes can you make with 3 rectangles?

What is the perimeter of the shapes?

Lesson 2 – Target Maths- Area and Perimeter

Page 91

A

1 6 cm² 10 cm
2 12 cm² 14 cm
3 8 cm² 12 cm
4 9 cm² 12 cm

5 a) 15 cm²   b) 16 cm
6 a) 16 cm²   b) 16 cm
7 a) 14 cm²   b) 18 cm
8 a) 25 cm²   b) 20 cm
9 a) 20 cm²   b) 24 cm
10 a) 24 cm²   b) 20 cm

B

1 24 cm² 22 cm
2 54 cm² 30 cm
3 49 m² 28 m
4 300 m² 70 m

5 a) 48 cm²   b) 28 cm
6 a) 85 m²   b) 44 m
7 a) 144 cm²   b) 48 cm
8 a) 45 m²   b) 36 m
9 Area 4000 m²
  Fence 260 m

C

1	Length	Width	Perimeter	Area
	8	5	26	40
	13	4	34	52
	12	7	38	84
	9	9	36	81
	20	5	50	100

2 a) 98 cm   b) 520 cm²
3 a) 144 cm   b) 896 cm²

Lesson 3 – NRich Challenges- Area and Perimeter

Starter:

1. 6300
2. 1.645
3. CMLXIV
4. 0.37
5. 15
6. 359
7. £6.43
8. Five hundred and eight thousand and thirty seven
9. 70
10. 20

There is many different possibilities for answers for the challenge, if you would like to send me your work for this lesson, I would be happy to mark it and send it back!