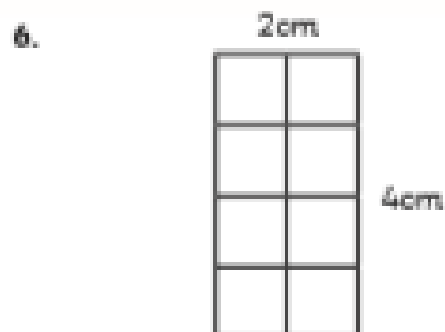
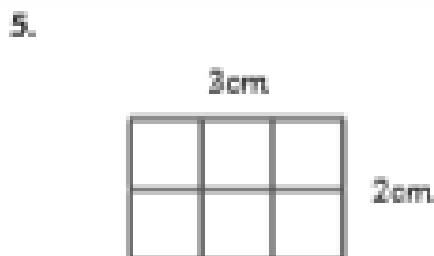
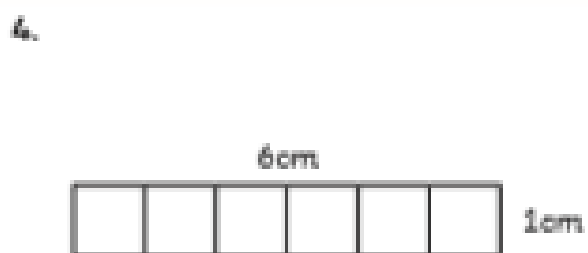
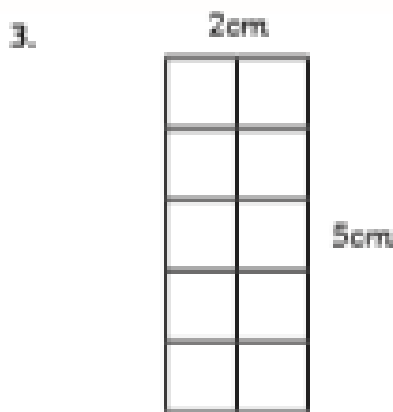
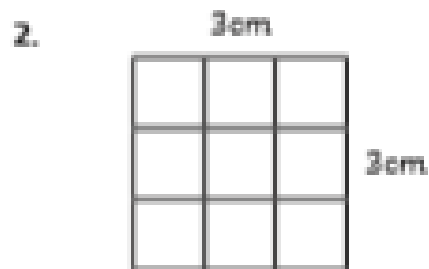
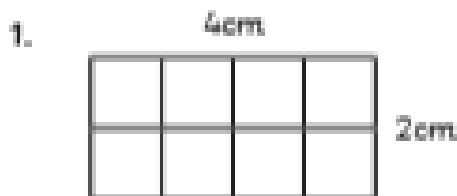


Mrs Lail (Spot) Area and Perimeter (W/C 22.06.20)

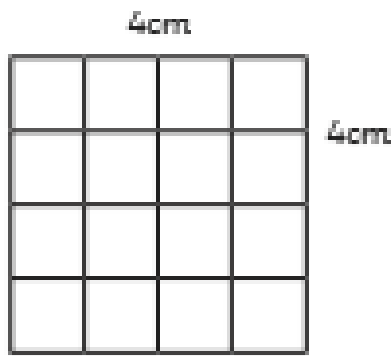
Calculate and Compare the Area of Rectangles

Aim: I can calculate the area of rectangles.

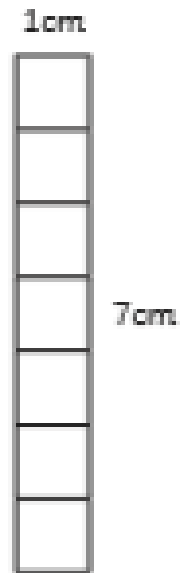
Calculate the area of the following rectangles.



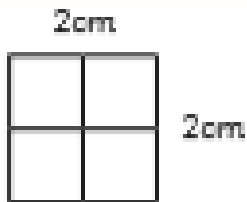
7.



8.



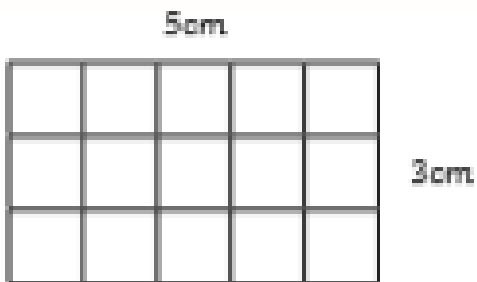
9.



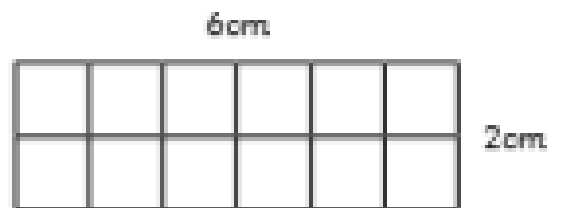
10.



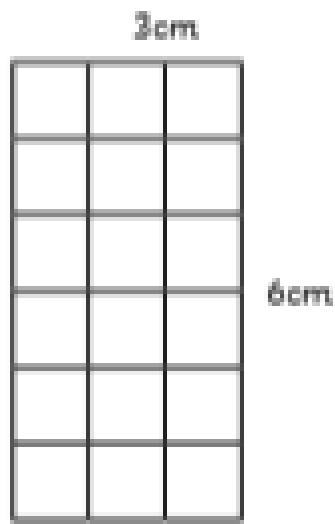
11.



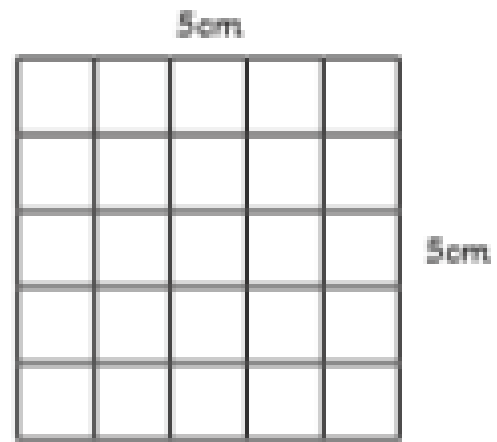
12.



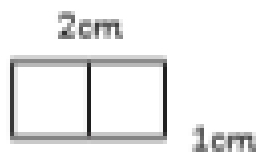
13.



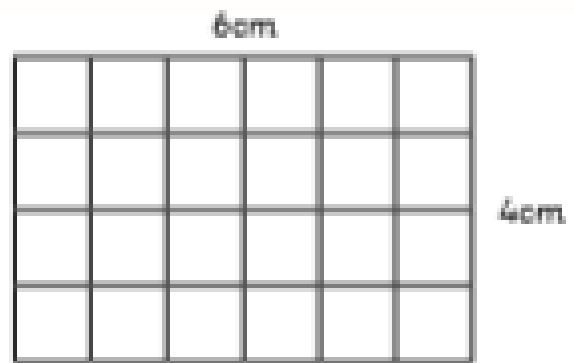
14.



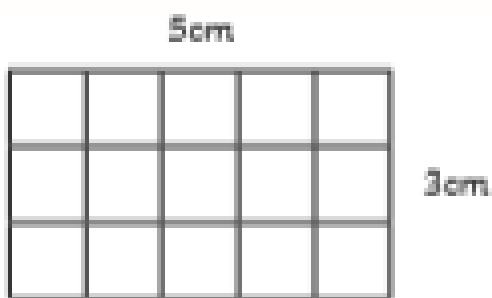
15.



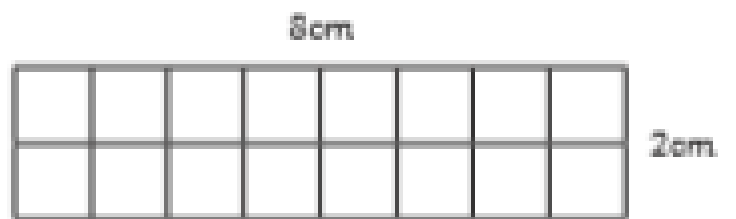
16.



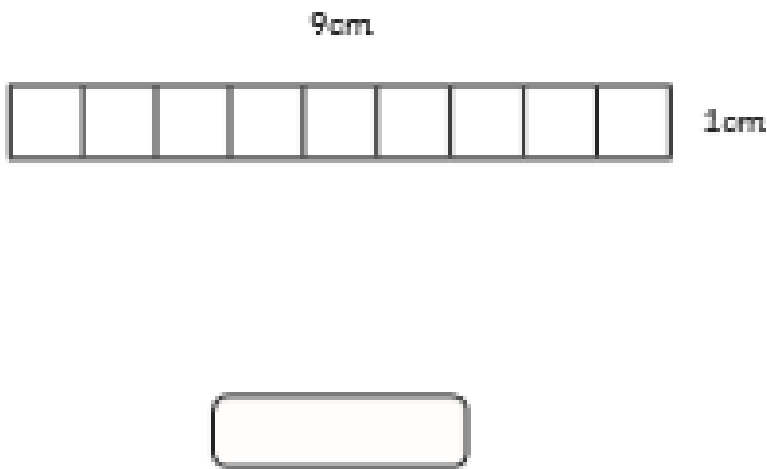
17.



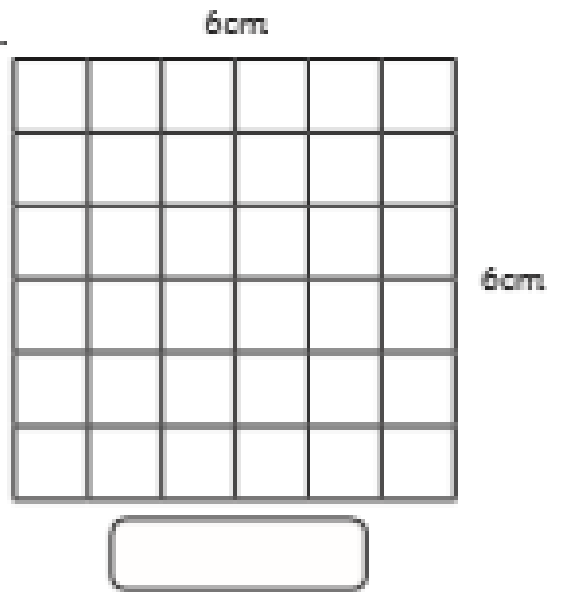
18.



19.



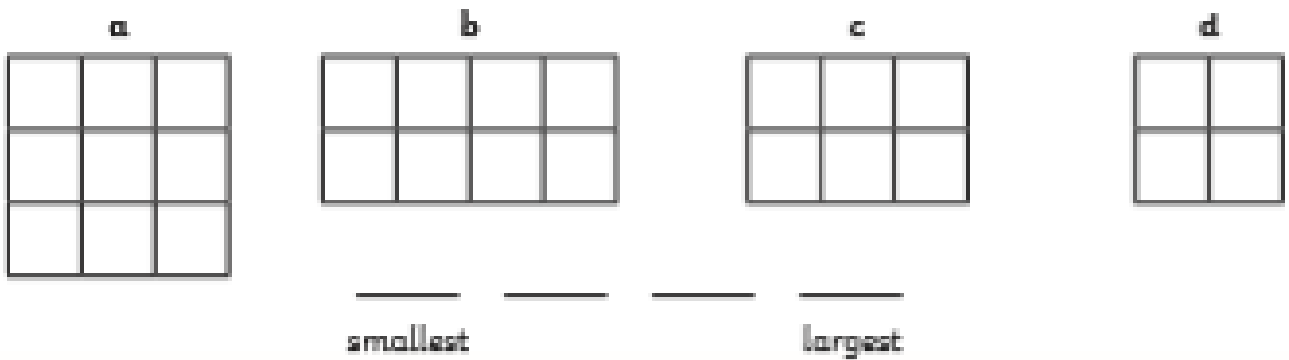
20.



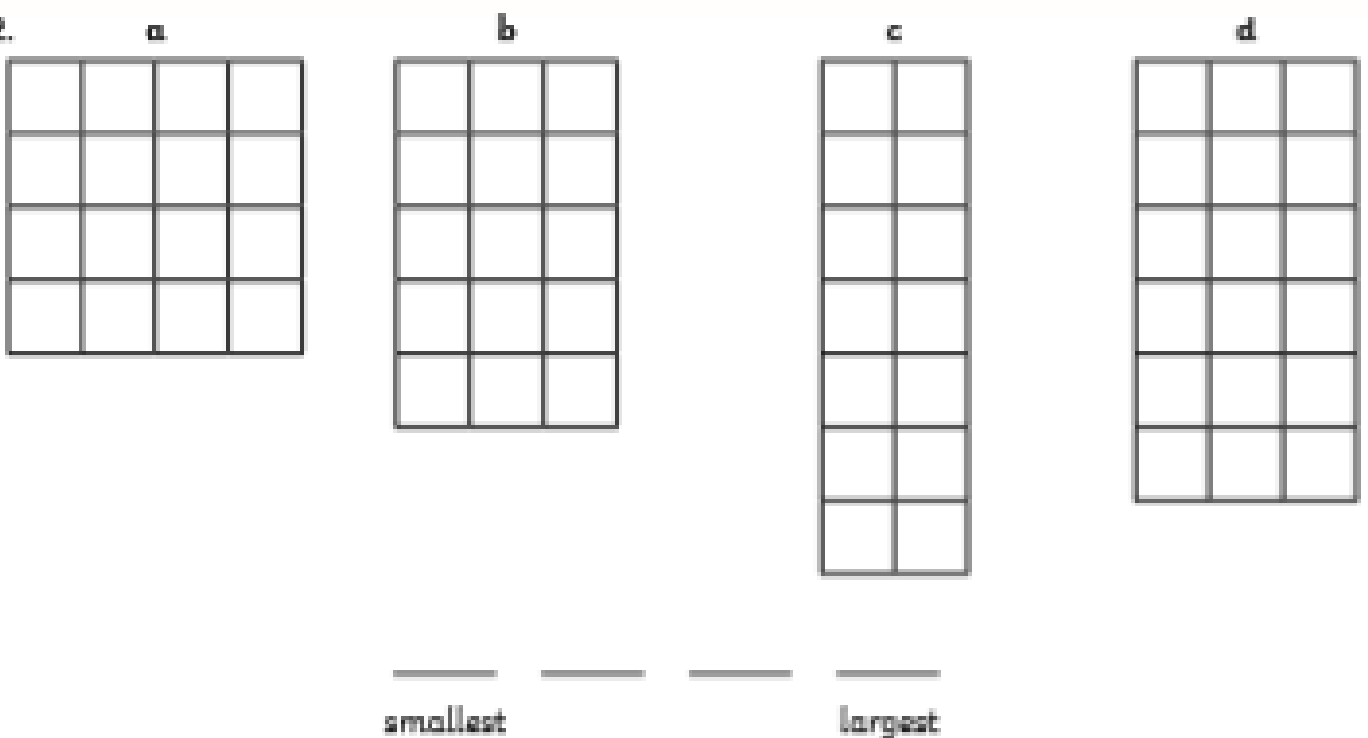
For each set of rectangles, order the rectangles from smallest area to largest area.

Each square is $1\text{cm} \times 1\text{cm}$.

21.

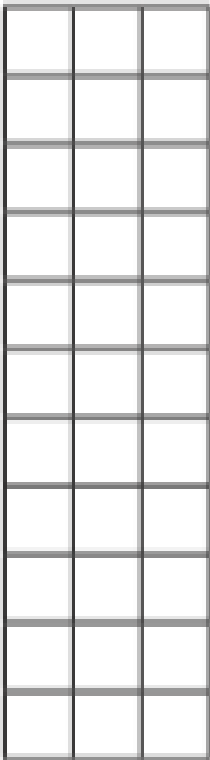


22.

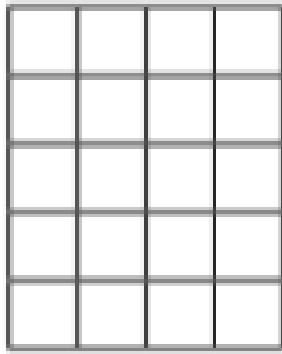


23.

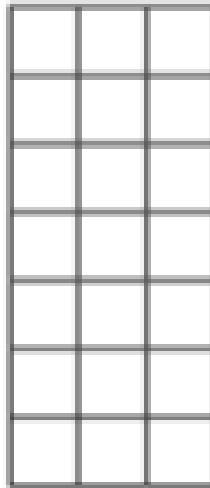
a



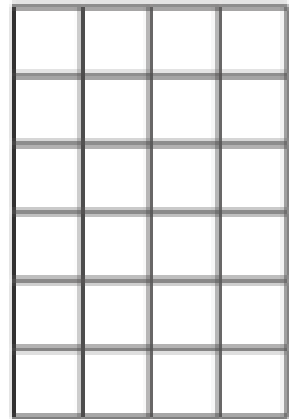
b



c



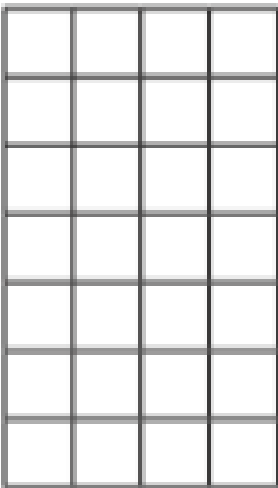
d



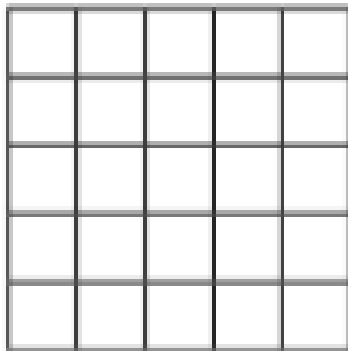
— — — —
smallest largest

24.

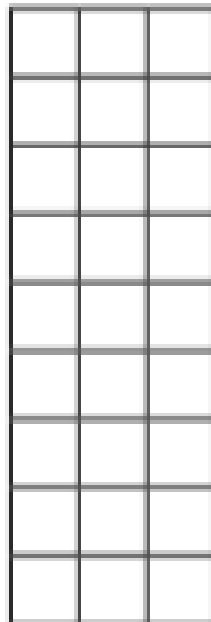
a



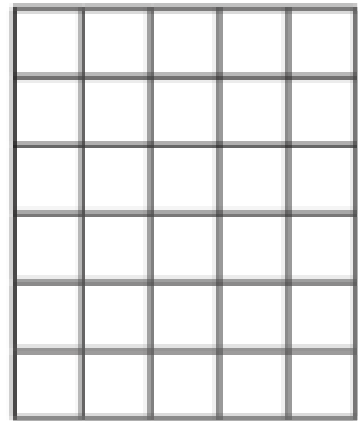
b



c



d



— — — —
smallest largest

Calculate and Compare the Area of Rectangles **Answers**

1. $4 \times 2 = 8\text{cm}^2$

2. $3 \times 3 = 9\text{cm}^2$

3. $2 \times 5 = 10\text{cm}^2$

4. $6 \times 1 = 6\text{cm}^2$

5. $3 \times 2 = 6\text{cm}^2$

6. $2 \times 4 = 8\text{cm}^2$

7. $4 \times 4 = 16\text{cm}^2$

8. $1 \times 7 = 7\text{cm}^2$

9. $2 \times 2 = 4\text{cm}^2$

10. $4 \times 1 = 4\text{cm}^2$

11. $5 \times 3 = 15\text{cm}^2$

12. $6 \times 2 = 12\text{cm}^2$

13. $3 \times 6 = 18\text{cm}^2$

14. $5 \times 5 = 25\text{cm}^2$

15. $2 \times 1 = 2\text{cm}^2$

16. $6 \times 4 = 24\text{cm}^2$

17. $5 \times 3 = 15\text{cm}^2$

18. $8 \times 2 = 16\text{cm}^2$

19. $9 \times 1 = 9\text{cm}^2$

20. $6 \times 6 = 36\text{cm}^2$

21. D, C, B, A

22. C, B, A, D

23. B, C, D, A

24. B, C, A, D

Calculating the Area of Shapes by Counting Squares

Count the squares to find the area of the letter shapes.

Top tip - make a mark in each square you have counted to save you counting it twice.

1. Area = ___ cm²

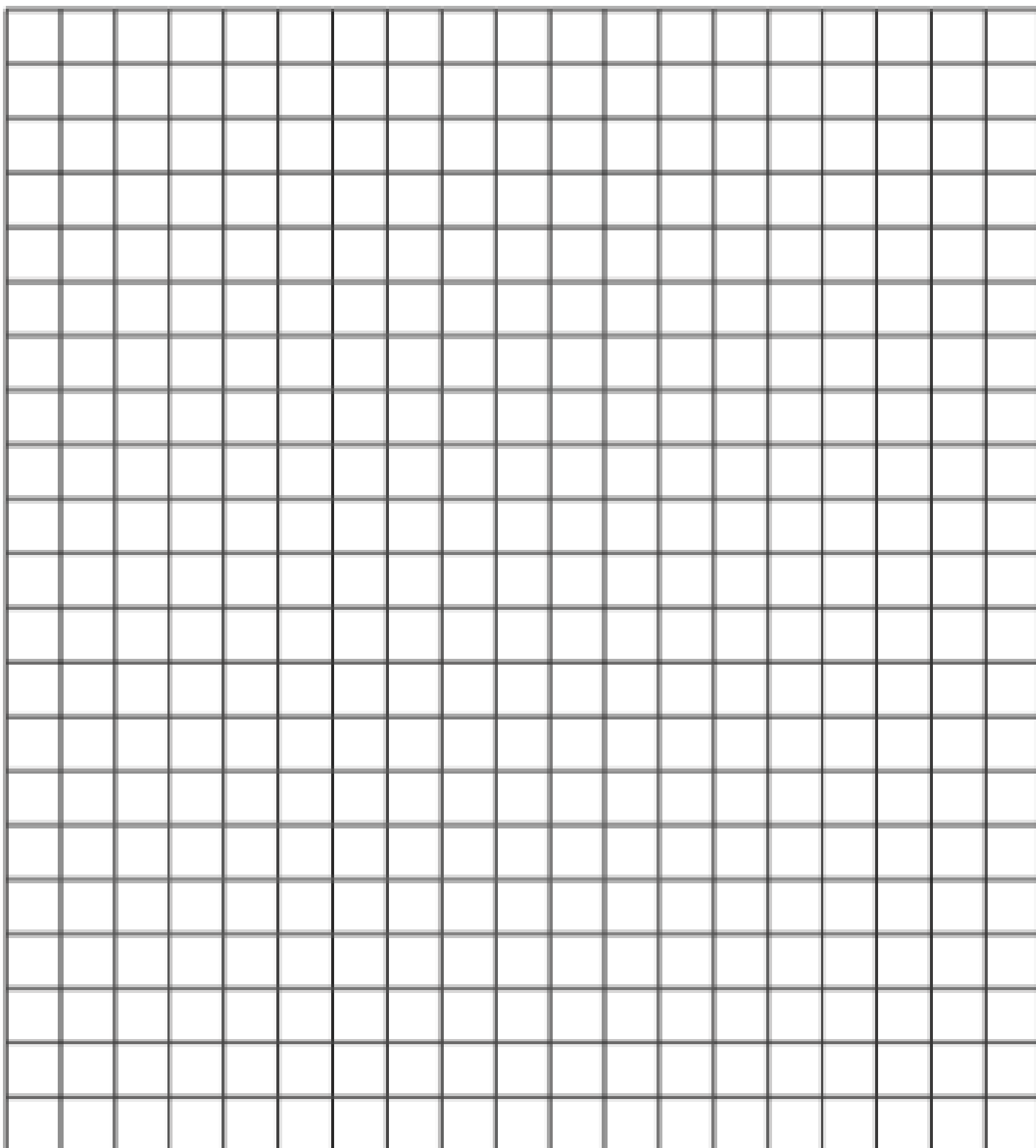
2. Area = ___ cm²

3. Area = ___ cm²

4. Area = _____ cm²

5. Area = _____ cm²

6. Can you draw a letter shape with an area of 18 cm²?



Calculating the Area of Shapes by Counting Squares **Answers**

1. 11 cm^2
2. 7 cm^2
3. 12 cm^2
4. 17 cm^2
5. 16 cm^2
6. Answers will vary.

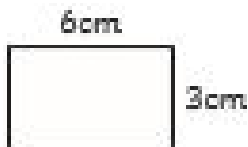
Calculate and Compare the Area of Rectangles

Aim: I can calculate the area of rectangles.

Calculate the area of the following rectangles.

The shapes are not to scale.

1.



2.



3.



4.



5.



6.



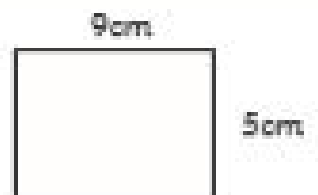
7.



8.



9.



10.



11.



12.



Calculate and Compare the Area of Rectangles **Answers**

1. $6 \times 3 = 18\text{cm}^2$

9. $9 \times 5 = 45\text{cm}^2$

17. $20 \times 5 = 100\text{cm}^2$

2. $4 \times 7 = 28\text{cm}^2$

10. $7 \times 8 = 56\text{cm}^2$

18. $24 \times 4 = 96\text{cm}^2$

3. $5 \times 8 = 40\text{cm}^2$

11. $12 \times 9 = 108\text{cm}^2$

19. $8 \times 15 = 120\text{cm}^2$

4. $10 \times 3 = 30\text{cm}^2$

12. $3 \times 11 = 33\text{cm}^2$

20. $12 \times 12 = 144\text{cm}^2$

5. $4 \times 11 = 44\text{cm}^2$

13. $9 \times 9 = 81\text{cm}^2$

21. C, B, A, D

6. $12 \times 7 = 84\text{cm}^2$

14. $15 \times 4 = 60\text{cm}^2$

22. B, C, A, D

7. $3 \times 9 = 27\text{cm}^2$

15. $16 \times 5 = 80\text{cm}^2$

23. D, B, A, C

8. $6 \times 6 = 36\text{cm}^2$

16. $6 \times 12 = 72\text{cm}^2$

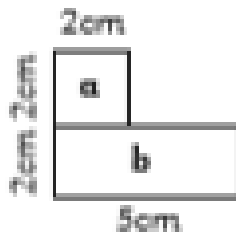
24. B, C, A, D

Area of Compound Shapes

I can calculate the area of compound shapes.

Calculate the area of each rectangle, then calculate the area of the whole compound shape.

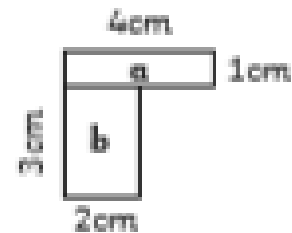
1.



Area a: _____ cm^2

Area b: _____ cm^2 Total: _____ cm^2

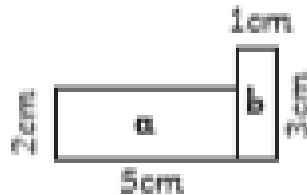
2.



Area a: _____ cm^2

Area b: _____ cm^2 Total: _____ cm^2

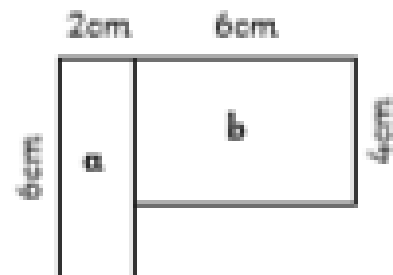
3.



Area a: _____ cm^2

Area b: _____ cm^2 Total: _____ cm^2

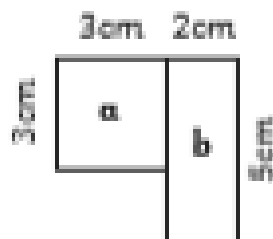
4.



Area a: _____ cm^2

Area b: _____ cm^2 Total: _____ cm^2

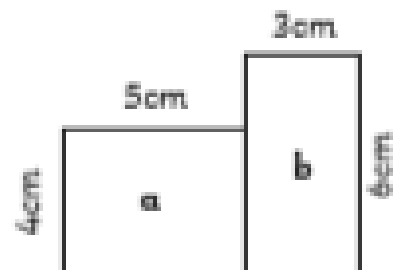
5.



Area a: _____ cm^2

Area b: _____ cm^2 Total: _____ cm^2

6.



Area a: _____ cm^2

Area b: _____ cm^2 Total: _____ cm^2

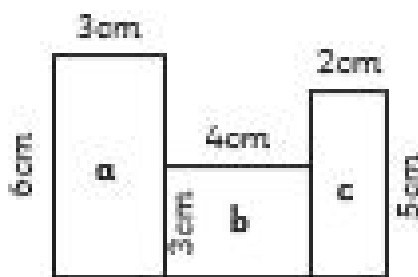
Note: Compound shapes are not to scale.

Area of Compound Shapes

I can calculate the area of compound shapes.

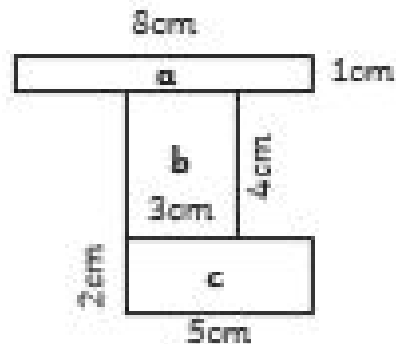
Calculate the area of each rectangle, then calculate the area of the whole compound shape.

7.



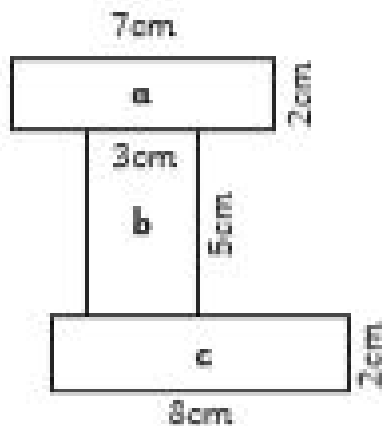
Area a: _____ cm^2 Area c: _____ cm^2
 Area b: _____ cm^2 Total: _____ cm^2

8.



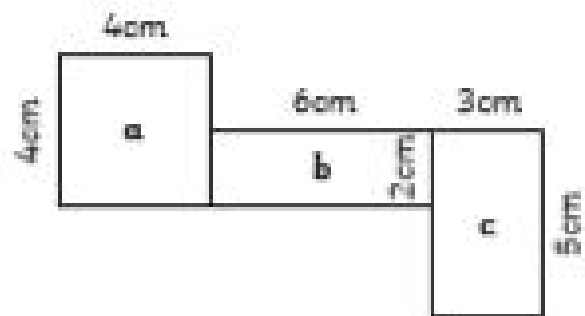
Area a: _____ cm^2 Area c: _____ cm^2
 Area b: _____ cm^2 Total: _____ cm^2

9.



Area a: _____ cm^2 Area c: _____ cm^2
 Area b: _____ cm^2 Total: _____ cm^2

10.



Area a: _____ cm^2 Area c: _____ cm^2
 Area b: _____ cm^2 Total: _____ cm^2

Note: Compound shapes are not to scale.

Area of Compound Shapes **Answers**



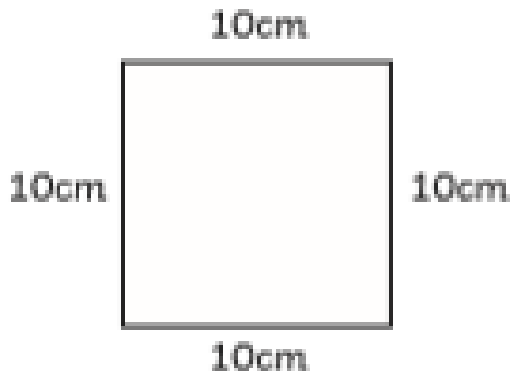
Question	Answer		
Identify the shapes where the area can be calculated. Calculate the area of each compound shape.			
1	Area a: 4cm² Area b: 10cm² Total: 14cm²	6	Area a: 20cm² Area b: 18cm² Total: 38cm²
2	Area a: 4cm² Area b: 6cm² Total: 10cm²	7	Area a: 18cm² Area b: 12cm² Area c: 10cm² Total: 40cm²
3	Area a: 10cm² Area b: 3cm² Total: 13cm²	8	Area a: 8cm² Area b: 12cm² Area c: 10cm² Total: 30cm²
4	Area a: 12cm² Area b: 24cm² Total: 36cm²	9	Area a: 14cm² Area b: 15cm² Area c: 16cm² Total: 45cm²
5	Area a: 9cm² Area b: 10cm² Total: 19cm²	10	Area a: 16cm² Area b: 12cm² Area c: 15cm² Total: 43cm²

Perimeter

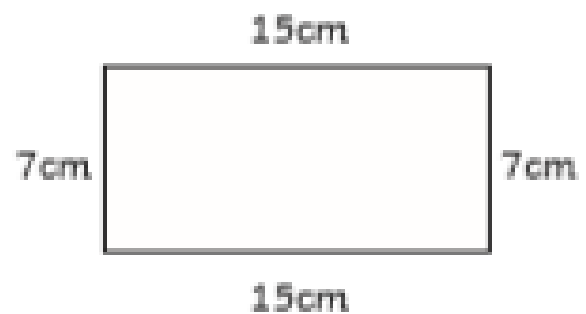
I am learning to calculate the perimeter of shapes.

Calculate the perimeter of each of these shapes. Write the answer inside the shape. Always check the units of measure and remember that these drawings are not to scale!

1)



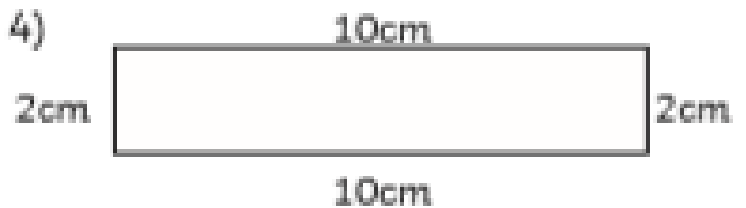
2)



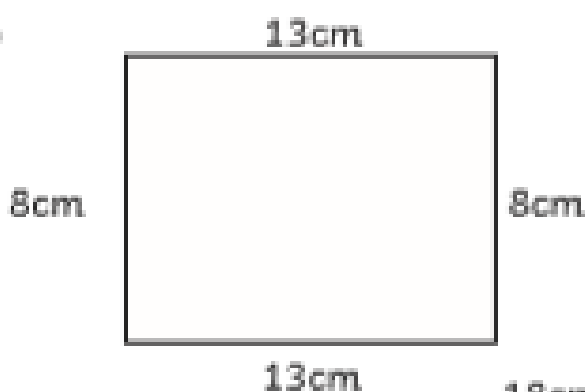
3)



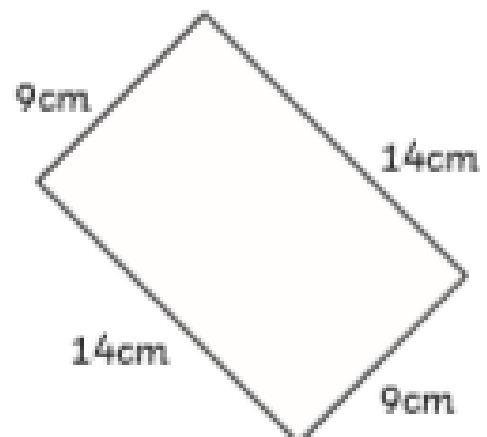
4)



5)



6)



7)

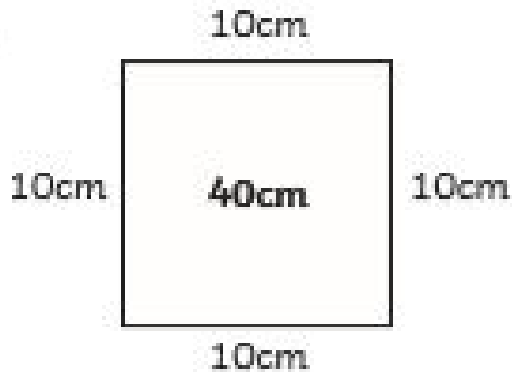


Perimeter Answers

I am learning to calculate the perimeter of shapes.

Calculate the perimeter of each of these shapes. Write the answer inside the shape. Always check the units of measure and remember that these drawings are not to scale!

1)



2)



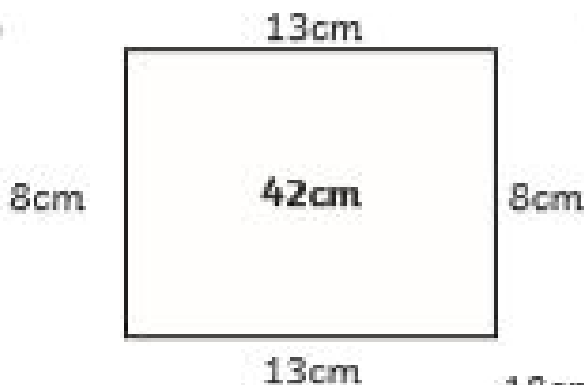
3)



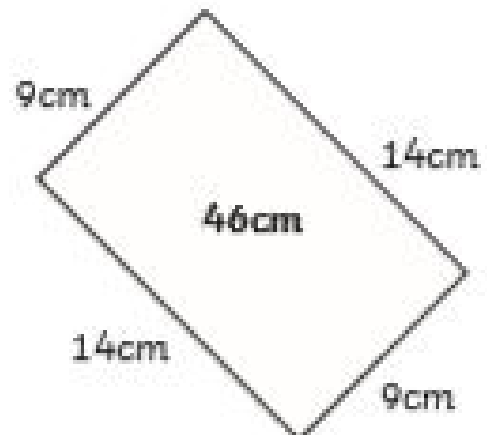
4)



5)



6)



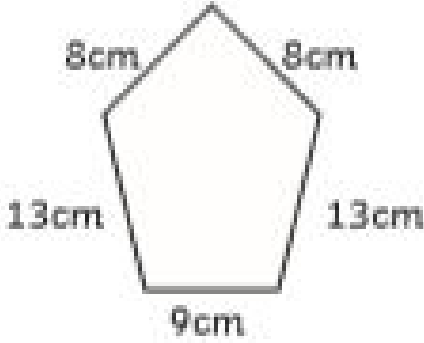



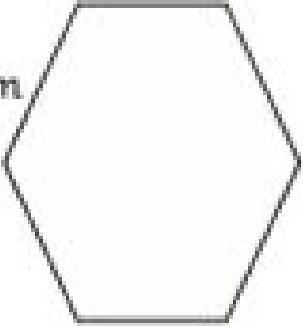

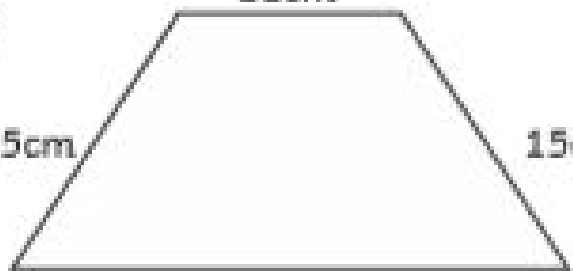
7)



Perimeter

I am learning to calculate the perimeter of shapes.

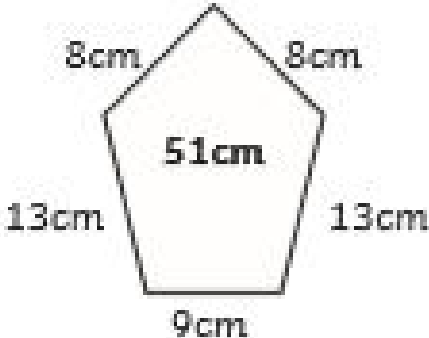


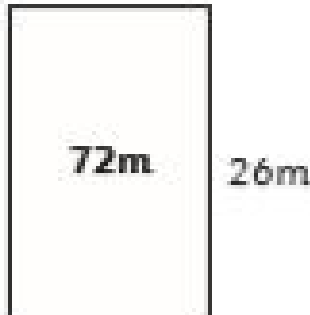
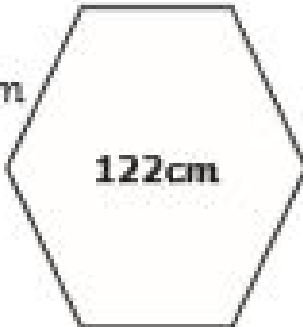

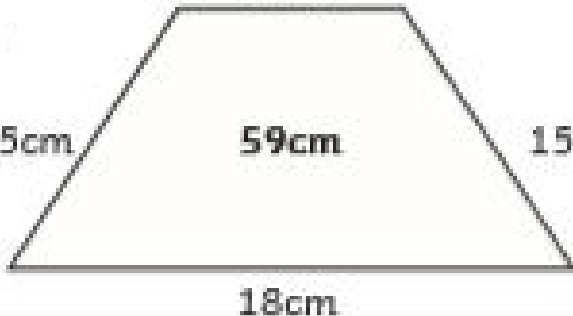
Calculate the perimeter of each of these shapes. Write the answer inside the shape. Always check the units of measure and remember that these drawings are not to scale!

- 1) 
- 2) 
- 3) 
- 4) 
- 5) 
- 6) 
- 7) 

Perimeter Answers

I am learning to calculate the perimeter of shapes.

Calculate the perimeter of each of these shapes. Write the answer inside the shape. Always check the units of measure and remember that these drawings are not to scale!

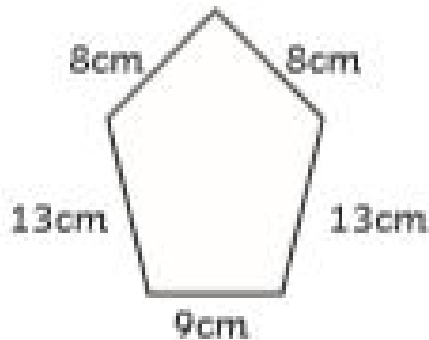
- 1)  2) 
- 3)  4) 
- 5)  6) 
- 7) 

Perimeter

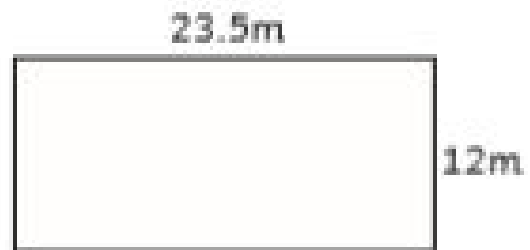
I am learning to calculate the perimeter of shapes.

Calculate the perimeter of each of these shapes. Write the answer inside the shape. Always check the units of measure and remember that these drawings are not to scale!

1)



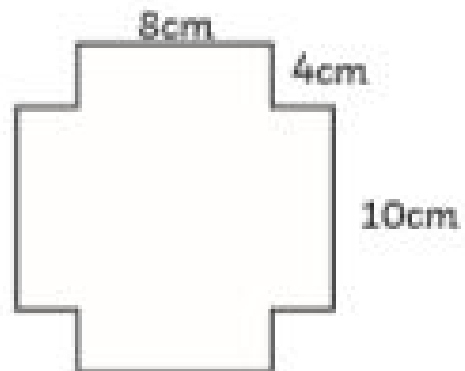
2)



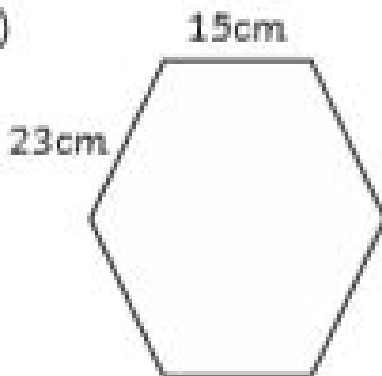
3)



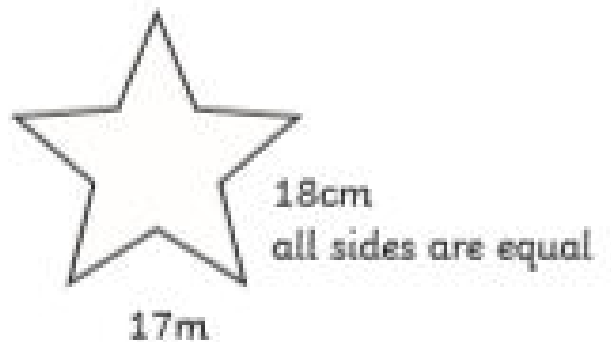
4)



5)



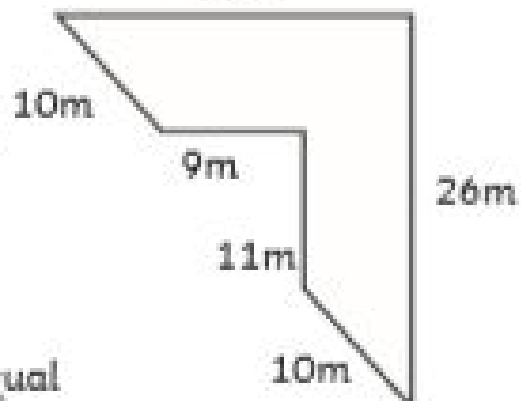
6)



7)



8)

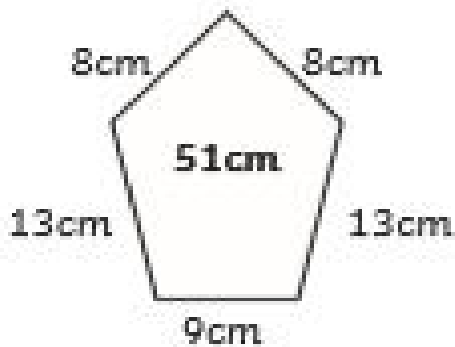


Perimeter Answers

I am learning to calculate the perimeter of shapes.

Calculate the perimeter of each of these shapes. Write the answer inside the shape. Always check the units of measure and remember that these drawings are not to scale!

1)



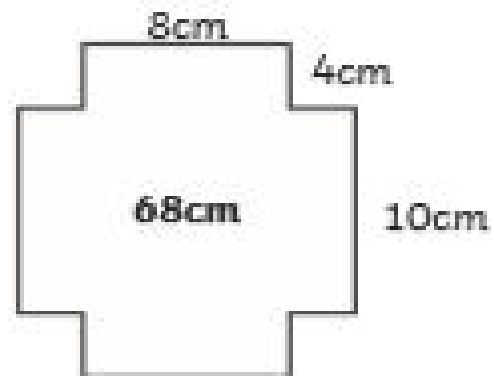
2)



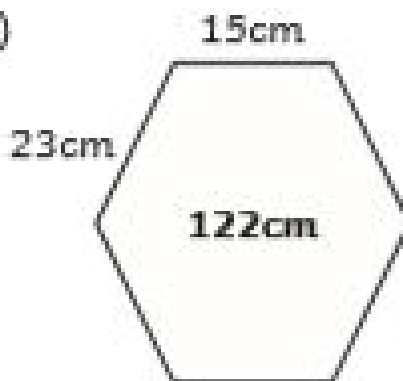
3)



4)



5)



6)



7)



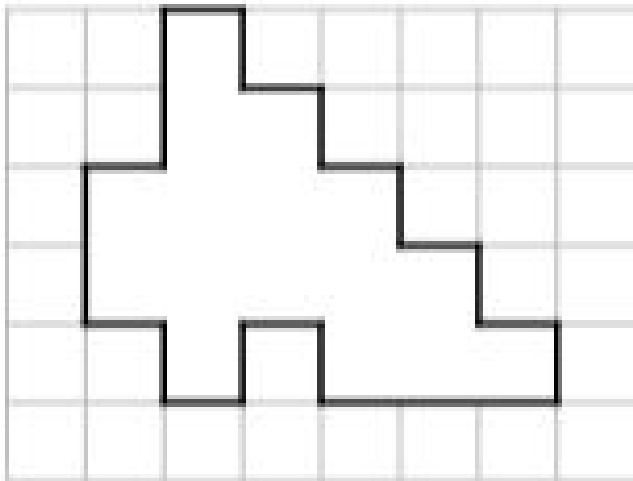
8)



Perimeter on a Grid

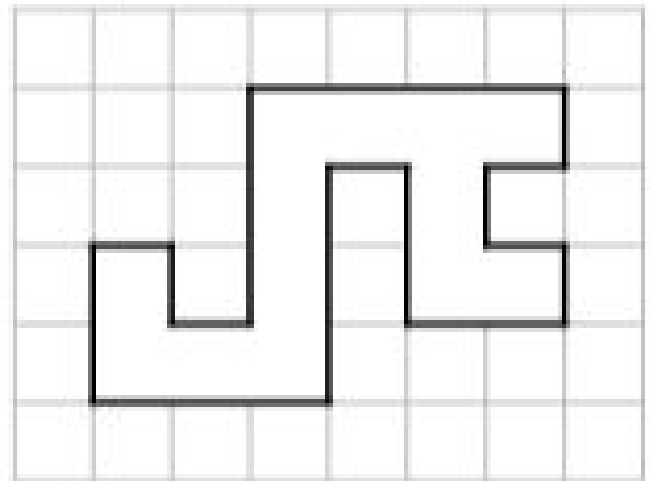
Perimeter on a Grid

7a. What is the perimeter of the shape?



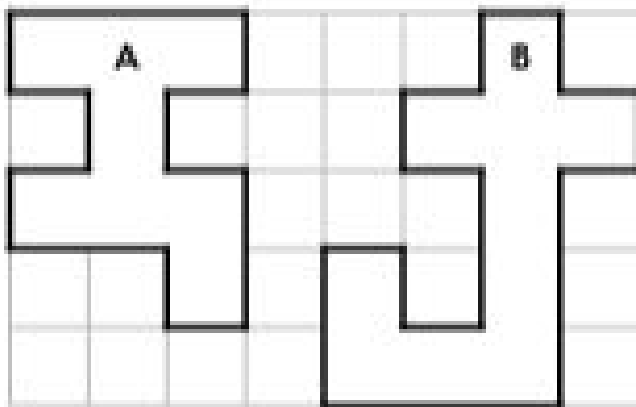
VI

7b. What is the perimeter of the shape?



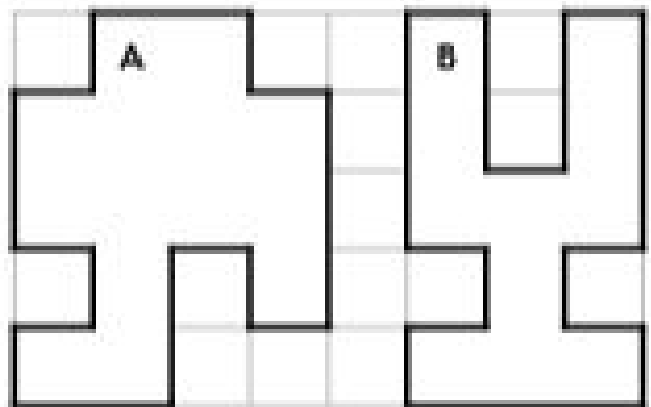
VI

8a. Which shape has the longest perimeter?



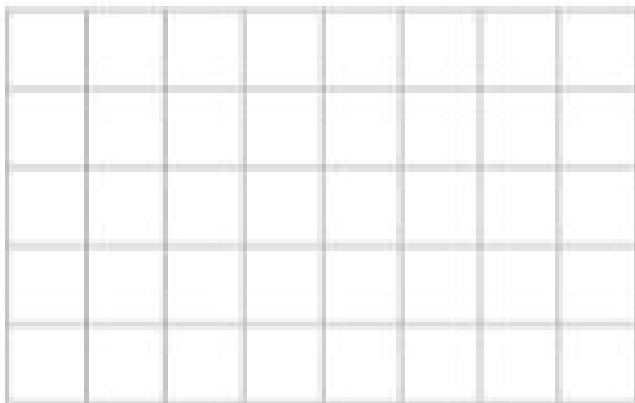
VI

8b. Which shape has the longest perimeter?



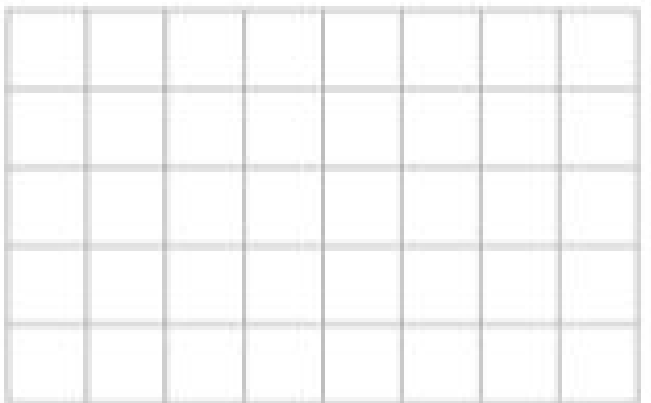
VI

9a. Draw a shape other than a rectangle with a perimeter of 18cm.



VI

9b. Draw a shape other than a rectangle with a perimeter of 20cm.



VI

Greater Depth

7a. **24cm**

8a. **8**

9a. **Any shape other than a rectangle with an 18cm perimeter.**

Greater Depth

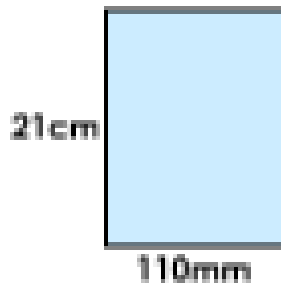
7b. **28cm**

8b. **8**

9b. **Any shape other than a rectangle with a 20cm perimeter.**

Perimeter of a Rectangle

9a. Circle the perimeter of the rectangle.



- 62cm
- 64cm
- 66cm

☆ not to scale ✓

Perimeter of a Rectangle

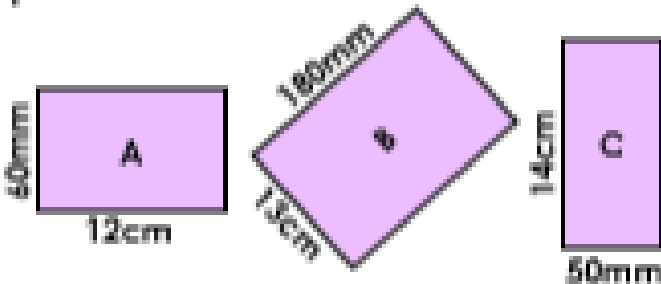
9b. Circle the perimeter of the rectangle.



- 62cm
- 58cm
- 60cm

☆ not to scale ✓

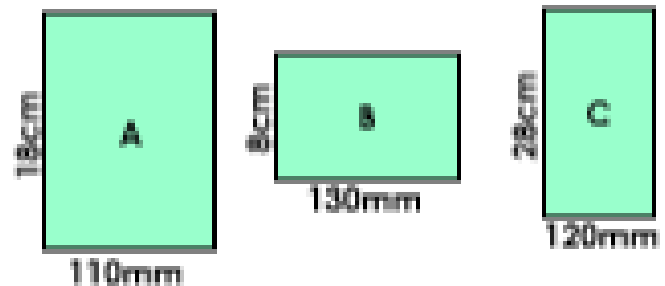
10a. Match the rectangle to the correct perimeter.



- 38cm
- 62cm
- 36cm

☆ not to scale ✓

10b. Match the rectangle to the correct perimeter.



- 42cm
- 58cm
- 80cm

☆ not to scale ✓

11a. The perimeter of this rectangle is 76cm. Calculate the missing sides.



☆ not to scale ✓

11b. The perimeter of this rectangle is 82cm. Calculate the missing sides.



☆ not to scale ✓

12a. Choose two measurements which will make a rectangle with a perimeter of 540mm.

- 25cm
- 13cm
- 19cm
- 14cm

☆ ✓

12b. Choose two measurements which will make a rectangle with a perimeter of 720mm.

- 20cm
- 21cm
- 12cm
- 15cm

☆ ✓

Greater Depth

9a. 64cm

10a. A = 36cm, B = 62cm, C = 38cm

11a. 22cm (220mm) + 16cm (160mm) +
16cm (160mm)

12a. 13cm and 14cm (13 + 13 + 14 + 14 =
54cm/ 540mm)

Greater Depth

9b. 60cm

10b. A = 58cm, B = 42cm, C = 80cm

11b. 16cm (160mm) + 25cm (250mm) +
25cm (250mm)

12b. 21cm and 15cm (21 + 21 + 15 + 15 =
72cm/ 720mm)