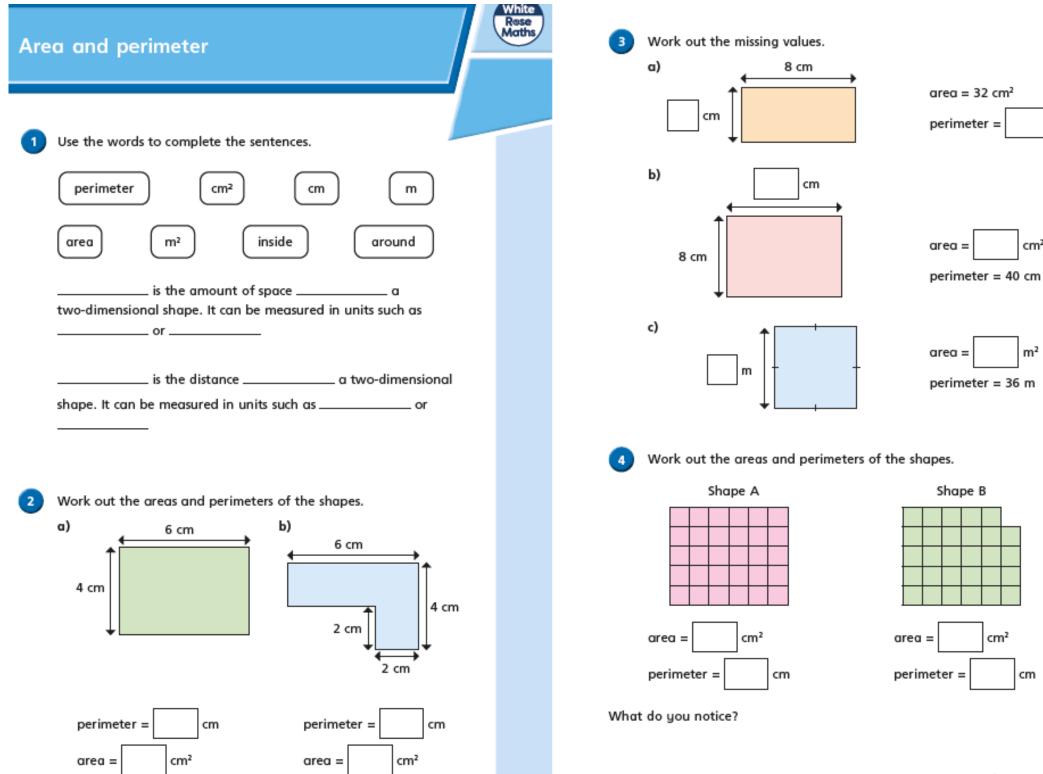
# White Rose Year 6 Activity Sheets

### Monday – Lesson 1

#### Area and Perimeter

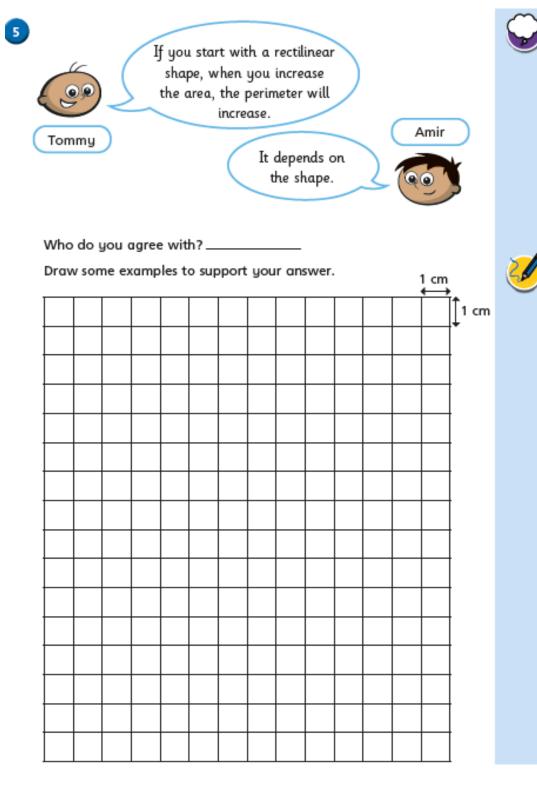


cm

cm

cm<sup>2</sup>

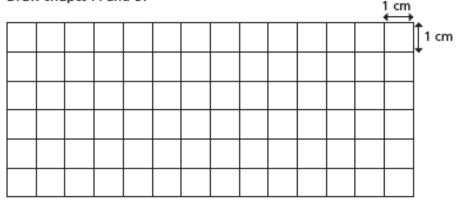
m²



Two rectilinear shapes, A and B, each have an area of 12 squares.

- Shape A has the largest perimeter possible.
- Shape B has the smallest perimeter possible.

Draw shapes A and B.



What do you notice?

Mr Jones has 50 m of fencing.

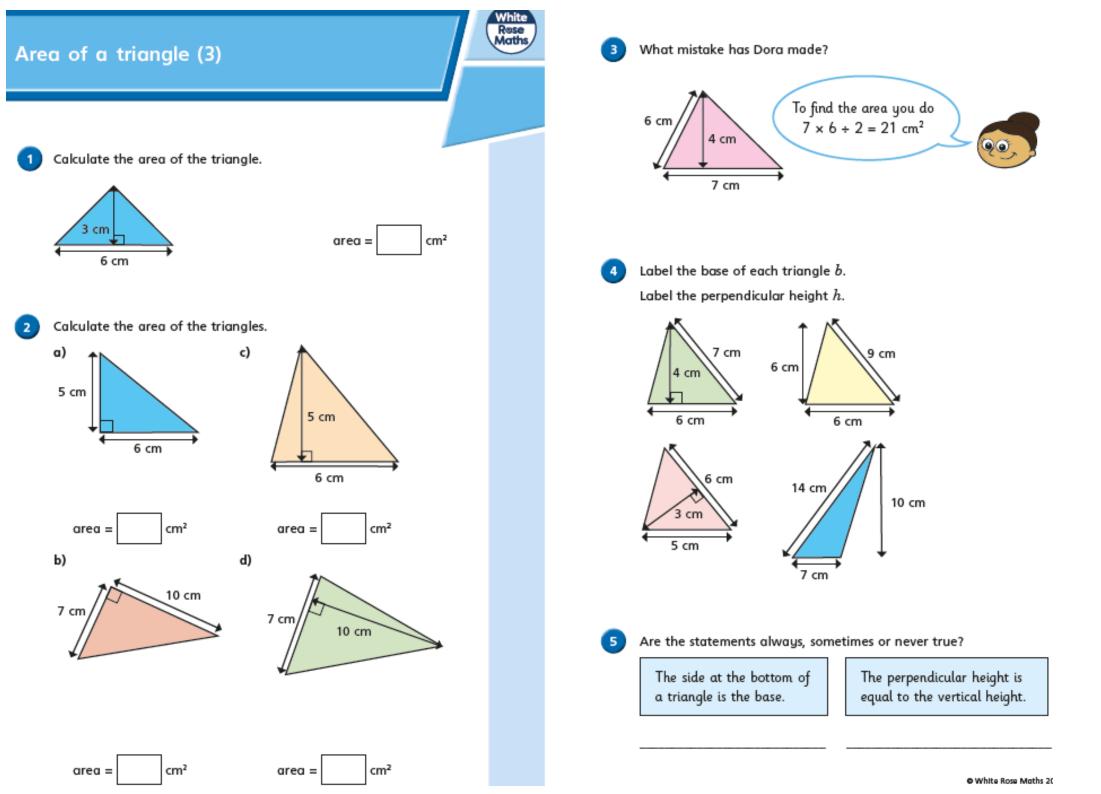
He wants to make a rectilinear enclosure using all the fencing.

a) Draw an example of a shape he could make. Give units on your diagram.

b) What is the greatest possible area of the enclosure?

c) What is the smallest possible area of the enclosure?

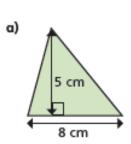
# Tuesday – Lesson 2 Area of a triangle



Calculate the area of the triangles.

cm<sup>2</sup>

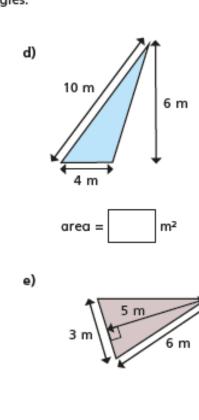
6 cm

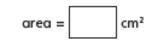


area =

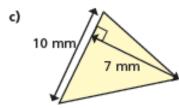
b)

6



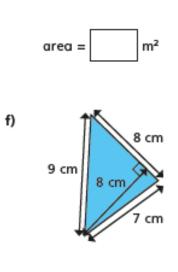


5 cm



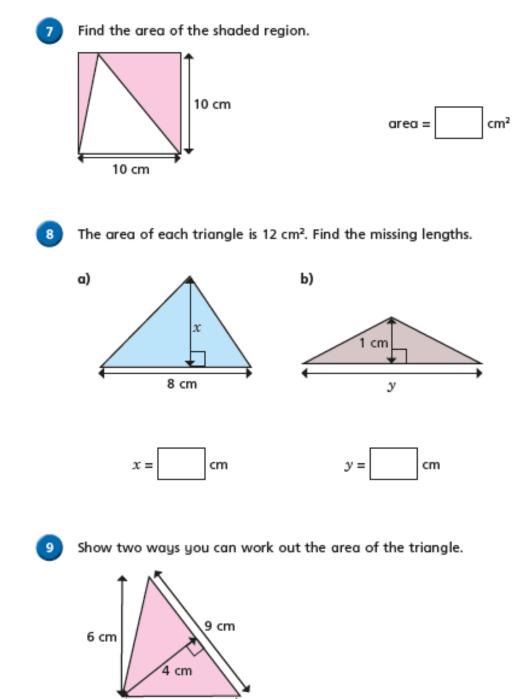
area =

mm²



area =

cm<sup>2</sup>



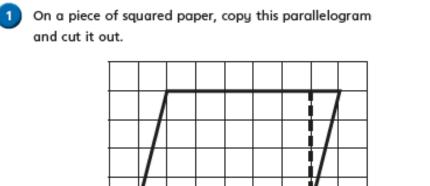
Compare answers with a partner.

6 cm

### <u>Wednesday – Lesson 3</u>

## Area of a parallelogram

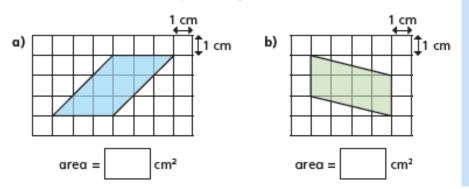
#### Area of a parallelogram



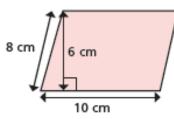
- a) Create a rectangle by cutting off the right-angled triangle and moving it.
- b) Complete the sentences.



Calculate the areas of the parallelograms.



Huan is finding the area of the parallelogram.



 $10 \times 8 = 80 \text{ cm}^2$ 

a) What mistake has Huan made?

b) What is the correct answer?

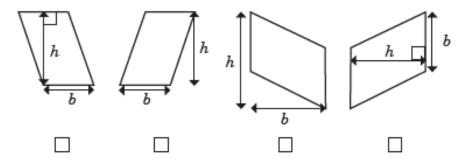
area = cm²

4

White Rose Math

Esther has labelled the bases and heights for four parallelograms.

Three are correct; one is incorrect. Tick the shapes that have been correctly labelled.



Explain to a partner why one is incorrect.

Calculate the areas of the parallelograms.

a) 5 cm

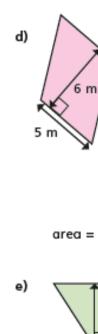
area =

2 cm

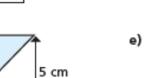
area =

b)

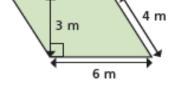
5



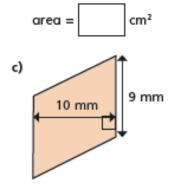
f)



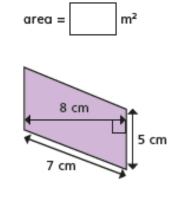
cm<sup>2</sup>



m²

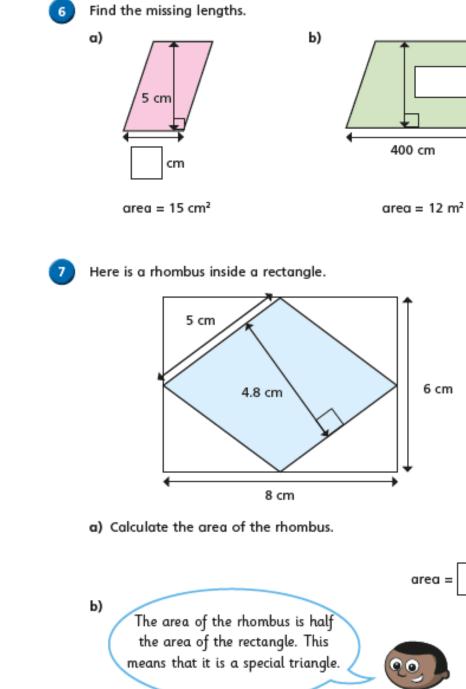


mm²



area =

cm<sup>2</sup>



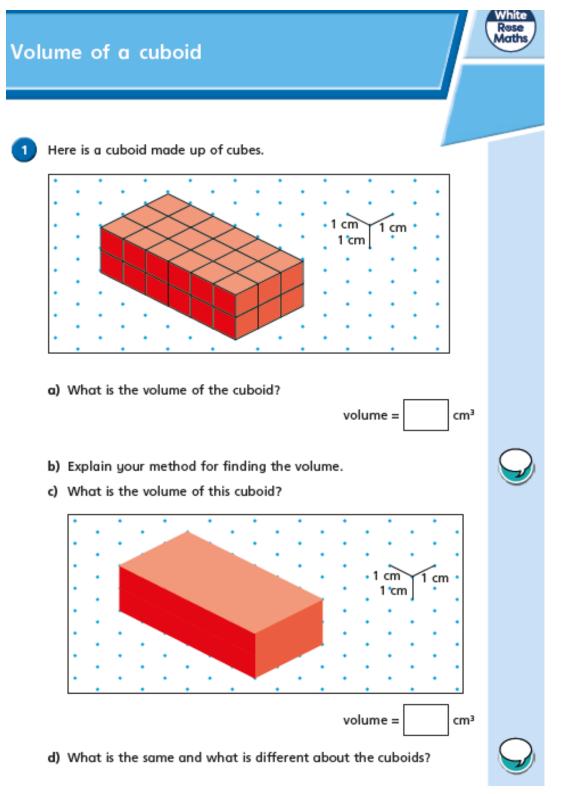
cm

cm<sup>2</sup>

Explain to a partner why Mo is wrong.

# Thursday – Lesson 4

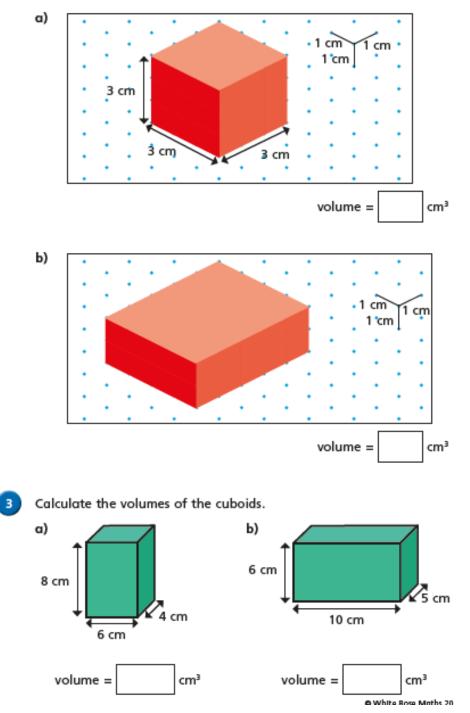
#### Volume of a cuboid

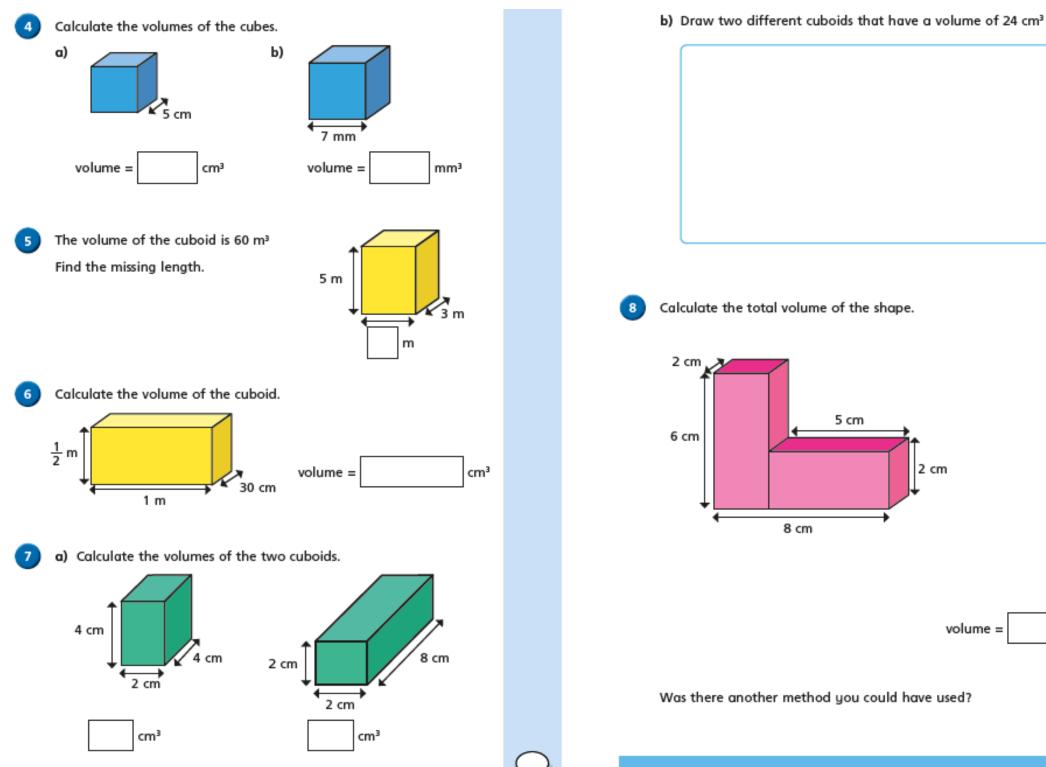


Find the volume of the cuboids.

2

You can make them with cubes if it helps.





What do you notice?

cm<sup>3</sup>

Friday **Note to Parents:** The Friday Challenge will be made available on the White Rose Year 6 Home Learning page closer the time. (3)