

Fast 5

$$4585.45 + 896.5$$

$$78.25 \times 100$$

$$0.46 \div 10$$

$$99\% \text{ of } 7800$$

$$46 \times 23$$

Fast 5

$$4585.45 + 896.5 = 5481.95$$

$$78.25 \times 100 = 7825$$

$$0.46 \div 10 = 0.046$$

$$99\% \text{ of } 7800 = 7722$$

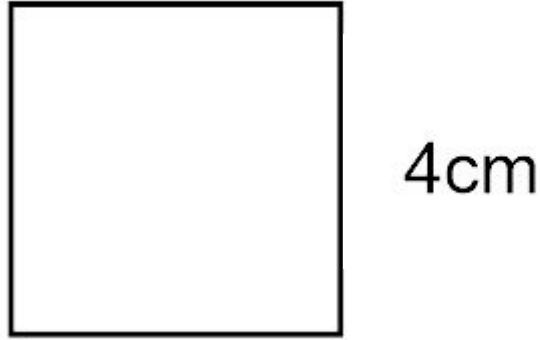
$$46 \times 23 = 1058$$

Can I find the areas of 2D
shapes?

What is the AREA of a shape? How do we find it?



What is the area of this shape? How do we record it?



The area of a square is equal to the base multiplied by the height. As every side of a square is the same length, the area is $4 \times 4 = 16\text{cm}$

We record this as 16cm^2



What is the area of this shape?

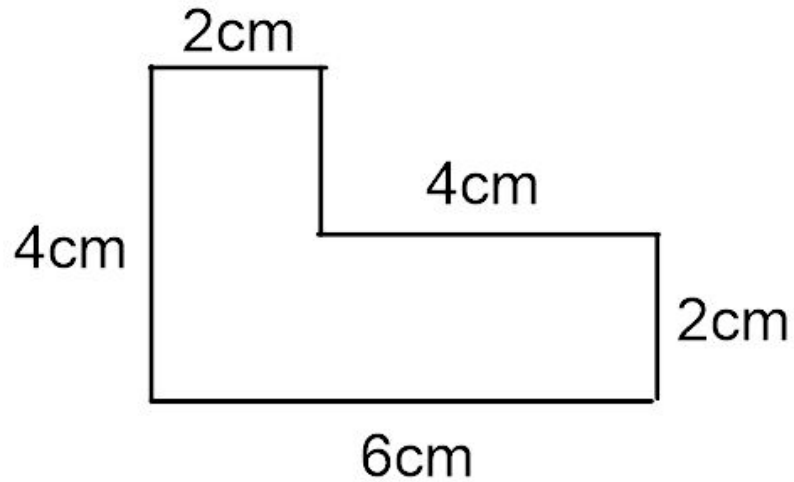
We find the area of a rectangle in the same way we do a square, just with two different numbers for the base and the height.



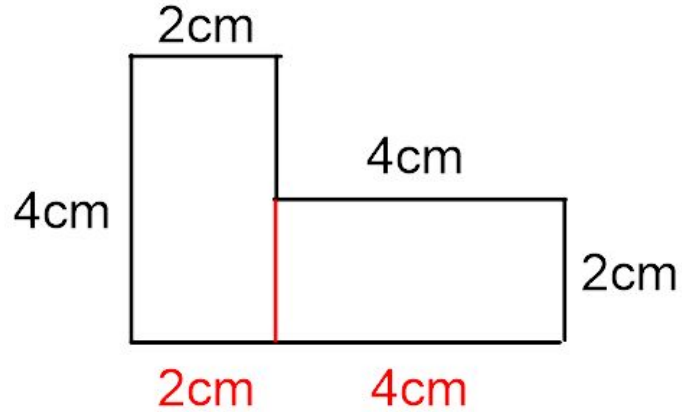
What is the area of this shape?

$$8 \times 3 = 24$$

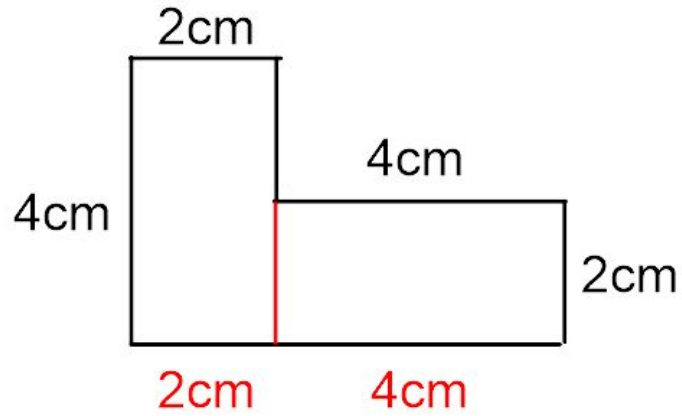
$$24\text{cm}^2$$



How would we find the area of this shape?



We can break the compound shape into 2 identifiable shapes and change our sides to their new lengths.

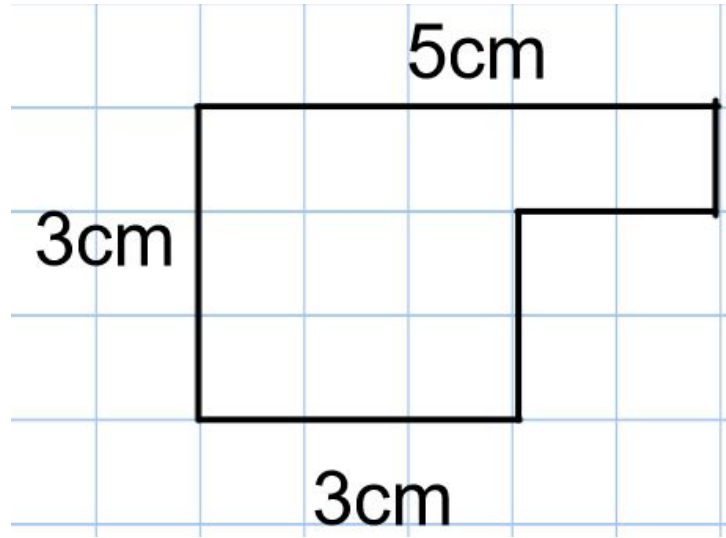


$$4 \times 2 = 8$$

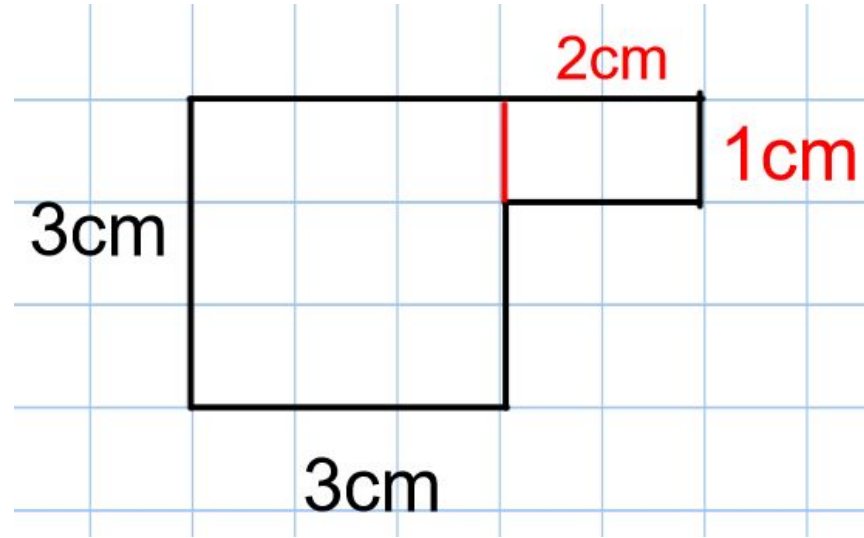
$$4 \times 2 = 8$$

$$8 + 8 = 16$$

$$16\text{cm}^2$$



What is the area of this shape? Do we need to have all of the measurements to work it out?



As before, we need to make the shape into 2 rectilinear shapes, which it's easier to find the area of.

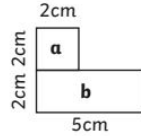
$$2 \times 1 = 2$$

$$3 \times 3 = 9$$

$$2 + 9 = 11\text{cm}^2$$

Red

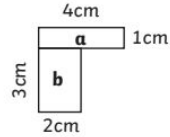
1.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

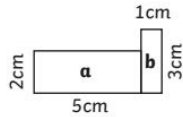
2.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

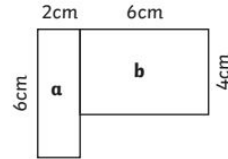
3.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

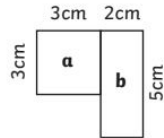
4.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

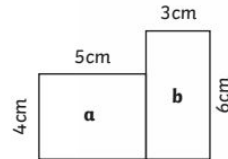
5.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

6.

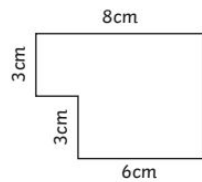


Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

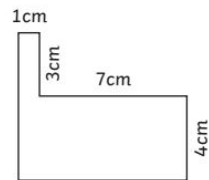
Yellow

1.



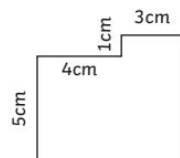
Total: _____

2.



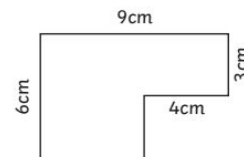
Total: _____

3.



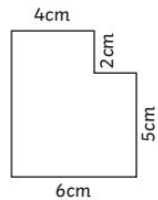
Total: _____

4.



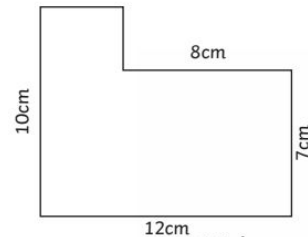
Total: _____

5.



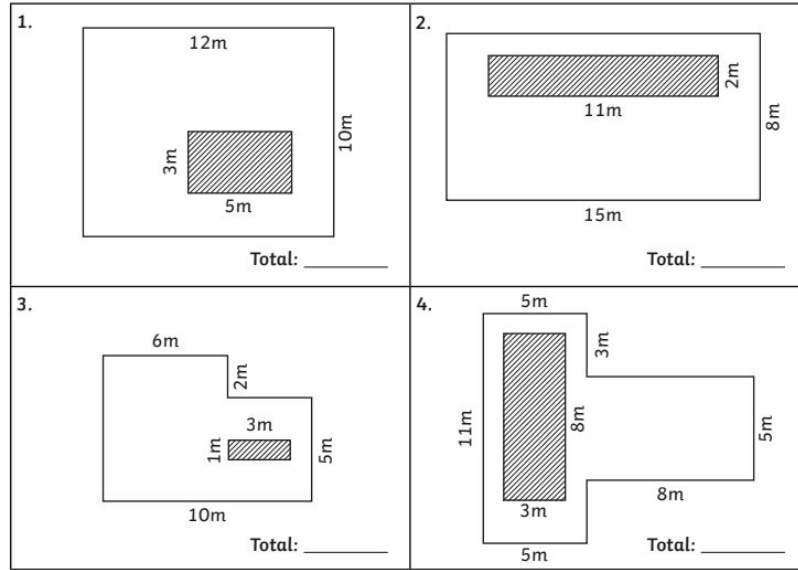
Total: _____

6.

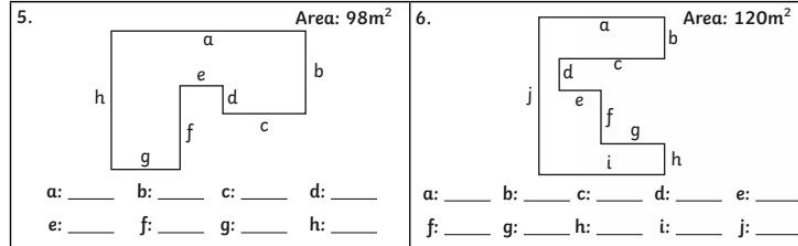


Total: _____

Green

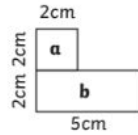


Write possible measurements for these shapes based upon the area given.



Red

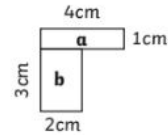
1.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

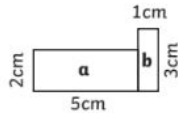
2.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

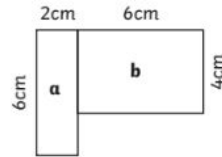
3.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

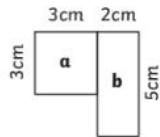
4.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

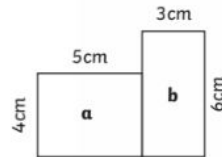
5.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

6.



Area a: _____ cm²

Area b: _____ cm² Total: _____ cm²

1. $4\text{cm}^2 + 10\text{cm}^2 = 14\text{cm}^2$

2. $4\text{cm}^2 + 10\text{cm}^2 = 14\text{cm}^2$

3. $10\text{cm}^2 + 3\text{cm}^2 = 13\text{cm}^2$

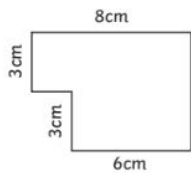
4. $12\text{cm}^2 + 24\text{cm}^2 = 36\text{cm}^2$

5. $9\text{cm}^2 + 10\text{cm}^2 = 19\text{cm}^2$

6. $20\text{cm}^2 + 18\text{cm}^2 = 38\text{cm}^2$

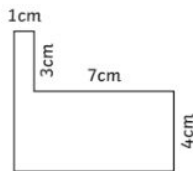
Yellow

1.



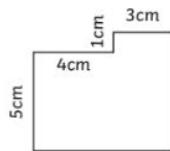
Total: _____

2.



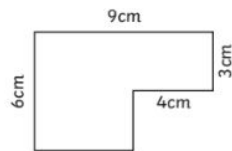
Total: _____

3.



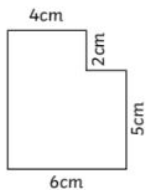
Total: _____

4.



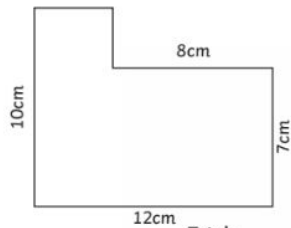
Total: _____

5.



Total: _____

6.



Total: _____

1. 42cm^2

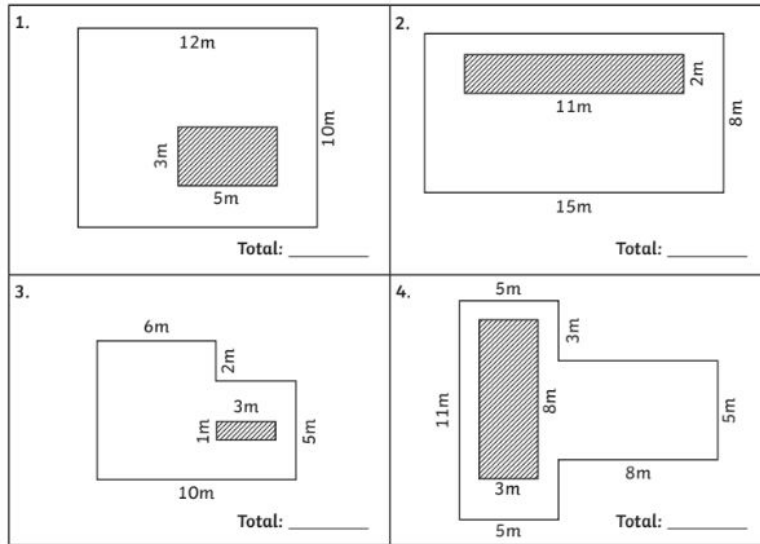
2. 35cm^2

3. 38cm^2

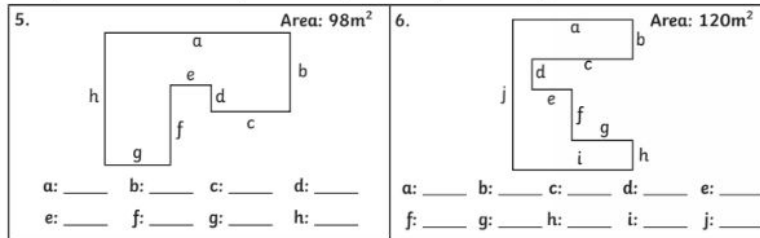
4. 42cm^2

5. 38cm^2

6. 96cm^2



Write possible measurements for these shapes based upon the area given.



1. 105m^2

2. 98m^2

3. 59cm^2

4. 71m^2

5. A. 14m b. 6m c. 6m d. 2m e. 3m f. 6m g. 5m h. 10m

6. A 12m b. 4m c. 10m d. 3m e. 4m f. 5m g. 6m h. 3m i. 12m j. 15m