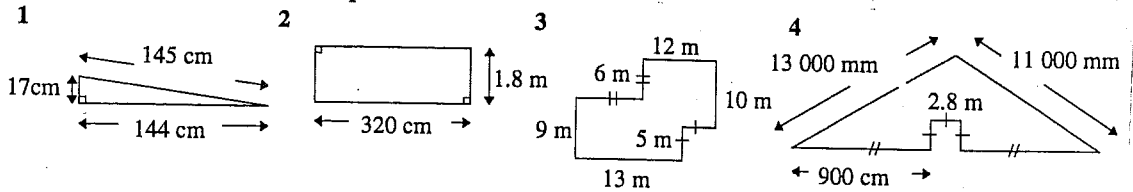


# Revision & Practice Worksheet 23

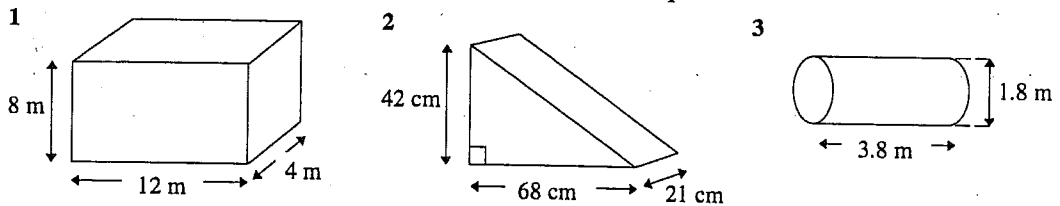
## A Measurement: Perimeter of shapes with straight sides

Find the perimeter of these shapes:



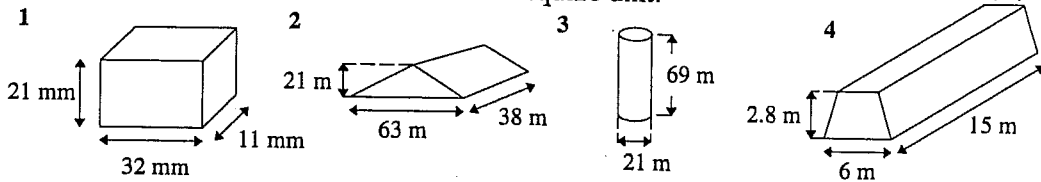
## B Measurement: Surface area of solids

Find the surface area of these closed solids to the nearest square unit.



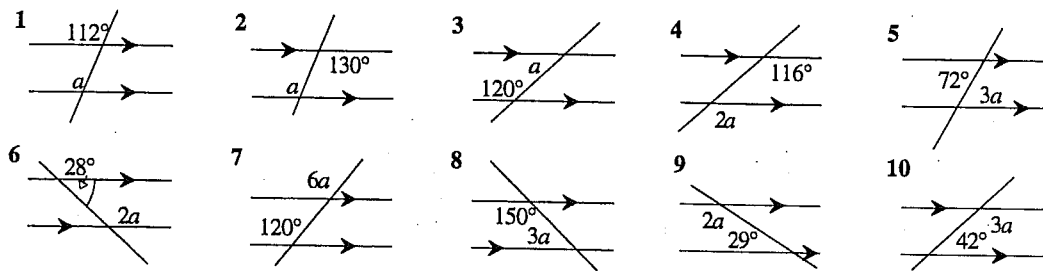
## C Measurement: Volume of solids with straight sides

Find the volume of these solids to the nearest square unit:



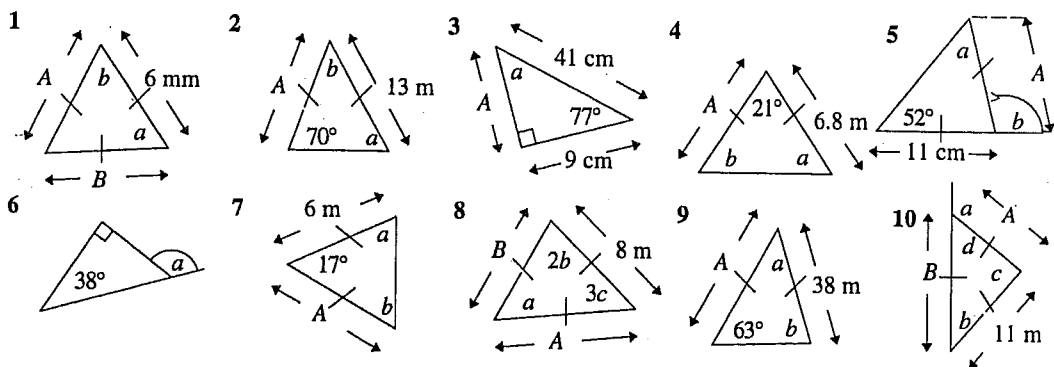
## D Geometry: Angles between parallel lines

Find the labelled angles and name the angle type:



## E Geometry: Angles in triangles

Find the labelled angles and side lengths:



### Worksheet 23

- A** 1 306 cm    2 1000 cm    3 66 m    4 5040 cm
- B** 1  $352 \text{ m}^2$     2  $6844 \text{ cm}^2$     3  $27 \text{ m}^2$
- C** 1  $7392 \text{ mm}^3$     2  $25\,137 \text{ m}^3$     3  $23\,899 \text{ m}^3$   
4  $210 \text{ m}^3$
- D** 1  $a = 112^\circ$ , corresponding angles  
2  $a = 130^\circ$ , alternate angles  
3  $a = 60^\circ$ , co-interior angles  
4  $a = 58^\circ$ , corresponding angles  
5  $a = 24^\circ$ , alternate angles  
6  $a = 76^\circ$ , co-interior angles  
7  $a = 20^\circ$ , corresponding angles  
8  $a = 10^\circ$ , co-interior angles  
9  $a = 75.5^\circ$ , co-interior angles  
10  $a = 46^\circ$ , co-interior angles
- E** 1  $a = b = 60^\circ$ ,  $a = b = 6 \text{ mm}$   
2  $a = 70^\circ$ ,  $b = 40^\circ$ ,  $A = 13 \text{ m}$   
3  $a = 13^\circ$ ,  $a = 40 \text{ cm}$   
4  $a = b = 79.5^\circ$ ,  $a = 6.8 \text{ m}$   
5  $a = 52^\circ$ ,  $b = 104^\circ$ ,  $A = 11 \text{ cm}$   
6  $a = 128^\circ$   
7  $a = b = 81.5^\circ$ ,  $A = 6 \text{ m}$   
8  $a = 60^\circ$ ,  $b = 30^\circ$ ,  $c = 20^\circ$ ,  $A = B = 8 \text{ m}$   
9  $a = 54^\circ$ ,  $b = 63^\circ$ ,  $A = 38 \text{ m}$   
10  $b = c = d = 60^\circ$ ,  $a = 120^\circ$ ,  $A = B = 11 \text{ m}$