Similar Shapes: Area

1. In each of the following the pairs of shapes are similar. Find the unknown area.





3. In each of the following the cards are similar. The area of the club at the centre is given. Find the area of the club at the centre of each of the other cards.







→ 30 mm **→**

4. In each of the following the pairs or triplets of shapes are similar. Find the unknown areas.





6. The end faces of buildings are shown. In each of the pairs the end faces are similar. The number of 6 litre tins of paint required to paint one of the end faces is given. Find the number of litres of paint required to paint the other end face.



b = 360g = 640a = 60 c = 384 d = 48 e = 90 f = 3201. 3. a = 180 c = 45 2. a = 2700 b = 5000c = 3600b = 80 g = 50a = 324 b = 2450c = 1800d = 112 e = 252f = 18 4. 5. a = 9 b = 9.90c = 3.606. a = 64 b = 32c = 108