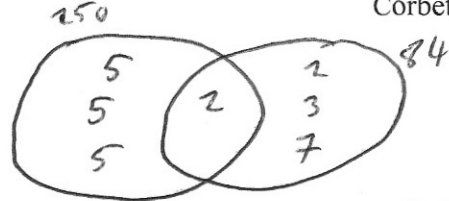




Find the LCM of 250 and 84

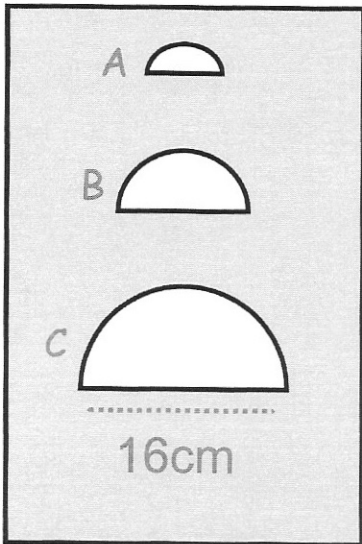
$$250 = 2 \times 5 \times 5 \times 5$$

$$84 = 2 \times 2 \times 3 \times 7$$



$$LCM = 5 \times 5 \times 5 \times 2 \times 2 \times 3 \times 7$$

$$10500$$



40cm

$$40 \times 25 = 1000 \text{ cm}^2$$

16cm

25cm

Three mathematically similar semi-circles are cut out of a piece of metal.

Semi-circle B is an enlargement of semi-circle A with scale factor 2.

Semi-circle C is an enlargement of semi-circle B with scale factor 2.

The diameter of semi-circle C is 16cm.

Work out the shaded area.

$$A: \frac{1}{2} (\pi \times 2^2) = 6.2832..$$

$$B: \frac{1}{2} (\pi \times 4^2) = 25.1327$$

$$C: \frac{1}{2} (\pi \times 8^2) = 100.53096$$

$$1000 - 131.9468 = 868.05 \text{ cm}^2$$

A savings account earns 10% a year.

£2000 is invested.

How much interest is earned over 3 years?

$$2000 \times 1.1^3 = £2662$$

£662 interest

At a safari park, the ratio of lions to tigers is 7:4.

The ratio of elephants to tigers is 1:2

Write down the ratio of lions to tigers to elephants in the safari park.

$$7:4:2$$

