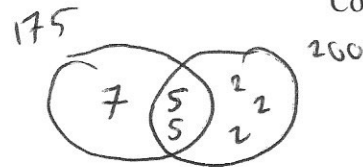




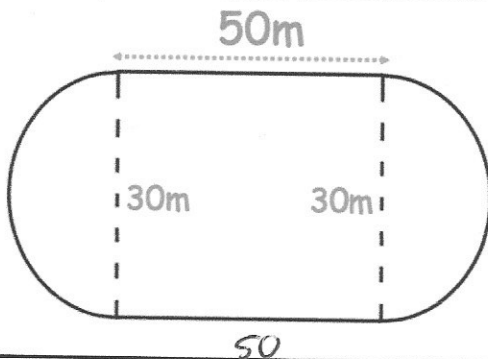
Find the Highest Common Factor (HCF) of 175 and 200.

$$175 = 5 \times 5 \times 7$$

$$200 = 2 \times 2 \times 2 \times 5 \times 5$$



$$\text{HCF} = 5 \times 5 = \underline{\underline{25}}$$



Find the perimeter of the running track.

$$\frac{1}{2}(\pi \times 30) + \frac{1}{2}(\pi \times 30) + 50 + 50$$

$$194.25\text{m}$$

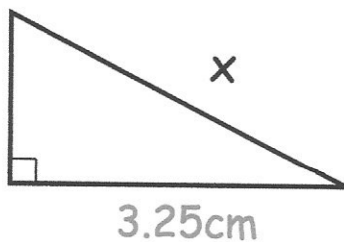
A fair spinner has five sections of equal size, numbered 1 to 5. The spinner is spun twice and the scores are added together.

Find the probability of a total score of 9.

$$\frac{2}{25}$$

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 2 | 3 | 4 | 5 | 6 | 7 |
| 3 | 4 | 5 | 6 | 7 | 8 |
| 4 | 5 | 6 | 7 | 8 | 9 |
| 5 | 6 | 7 | 8 | 9 | 10 |

1.75cm



3.25cm

Find x

$$1.75^2 + 3.25^2 = x^2$$

$$x^2 = 13.625$$

$$x = 3.6912\text{cm}$$

The ratio of red to green sweets in a bag is 9:2

If r is the number of red sweets and g is the number of green sweets in the bag, work out a formula for r in terms of g.

$$r : g$$

$$9 : 2$$

$$r = 4.5g$$