



Make t the subject of the formula

$$v = u + 10t$$

$$-u \quad -u$$

$$v - u = 10t$$

$$\div 10 \quad \div 10$$

$$t = \frac{v - u}{10}$$

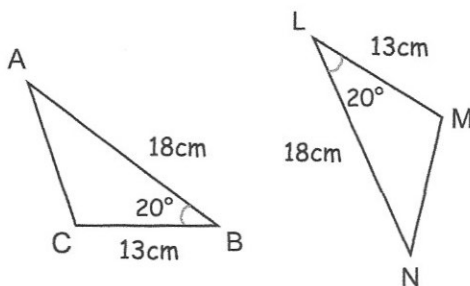
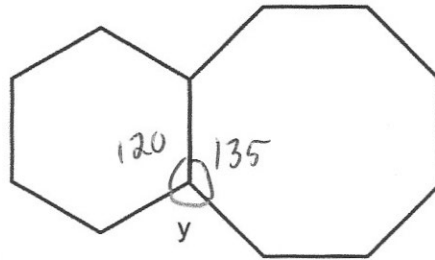
Shown is a regular hexagon and a regular octagon.

Calculate the size of angle y .

$$720 \div 6 = 120$$

$$1080 \div 8 = 135$$

$$360 - 120 - 135 = 105^\circ$$



Triangles ABC and LMN are congruent.

State the reason why.

SAS

side - angle - side

Luke runs 3 kilometres in 5 minutes.

Calculate his average speed.

Give your answer in m/s

$$3000 \text{ m in } 300 \text{ seconds}$$

$$10 \text{ m/s}$$

$$s = \frac{d}{t} \quad \frac{3000}{300} = 10 \text{ m/s}$$

Poppy bought 16 footballs for £68

She sold the footballs for £7.65 each.

Calculate the percentage profit.

$$68 \div 16 = £4.25$$

$$7.65 - 4.25 = 3.40$$

$$\frac{3.40}{4.25} \times 100 = 80\%$$