

m3 = 12 days to go!

3 In the diagram lines AB and CD are parallel.

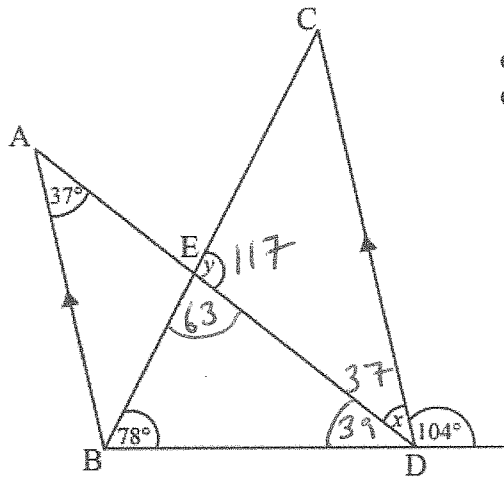
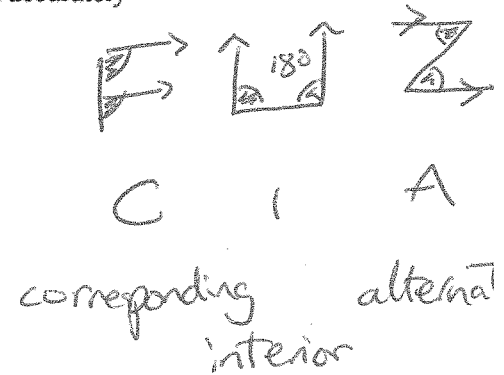


diagram not drawn accurately



(a) Find the size of the angle x .

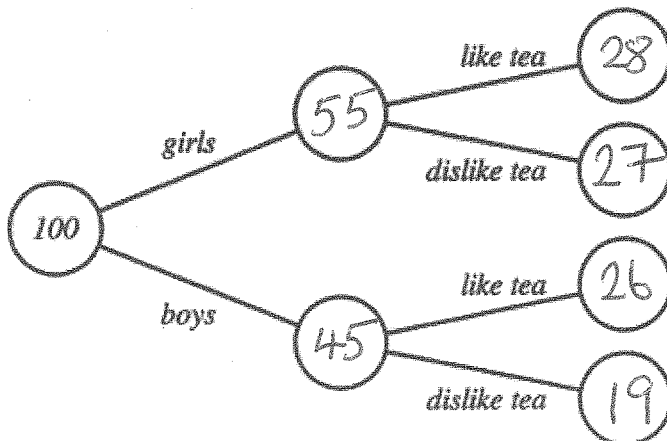
Z angle
Alternate

Answer 37° [1]

(b) Calculate the size of the angle y .

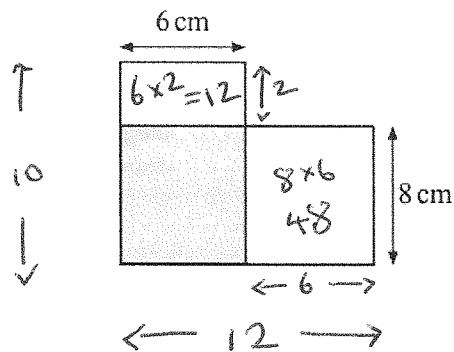
Answer 117° [2]

1) 100 students are asked if they like tea.
45 of these students are boys.
28 girls like tea.
19 boys dislike tea.
Complete the frequency tree.



- 12 A 10 cm × 6 cm rectangular card overlaps a 12 cm × 8 cm card as shown.

Calculate the area **not** shaded.



$$12 + 48$$

Answer 60 cm² [2]

- 15 A Christmas Log cake has a uniform cross-sectional area of 120 cm² and a length of 22 cm.

Calculate the volume of the cake.

(it is on the formula page)

$$\text{Volume} = \text{Area} \times \text{Length}$$

$$\text{Volume} = 120 \times 22$$

$$2640$$

Answer 2640 cm³ [2]

1 $d = \frac{e-f}{g}$

Calculate the value of d when $e = -8$, $f = 12$ and $g = 4$

$$d = \frac{e-f}{g}$$

$$d = \frac{-8-12}{4}$$

$$d = \frac{-20}{4}$$

$$d = -5$$

Answer $d =$ -5 [2]