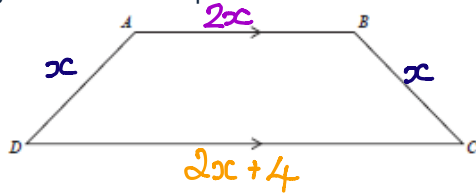


OOPS!

Below is a worked solution to a question that I feel you could have gained more marks on ..

label the drawing

The diagram shows a trapezium



$AD = x \text{ cm}$ ✓

BC is the same length as AD ✓

AB is twice the length of AD ✓ $2x$

DC is 4cm longer than AB ✓ $2x + 4$

The perimeter of the trapezium is 38 cm

Work out the length of AD

$$x + x + 2x + 2x + 4 = 38$$

$$6x + 4 = 38$$
$$\begin{array}{r} -4 \\ -4 \end{array}$$

$$\frac{6x}{6} = \frac{34}{6} = \frac{17}{3} \quad (4)$$

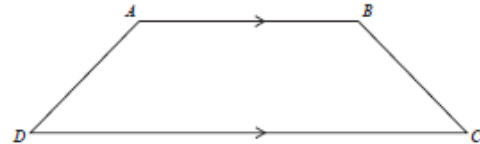
$$5\frac{2}{3} \text{ or } 5.\dot{6}$$

5.6 is different to $5.\dot{6}$ **FACEPALM!!**

NOW HAVE A GO AT THIS:



The diagram shows a trapezium



$AD = x \text{ cm}$

BC is the same length as AD

AB is three times as long as the length of AD

DC is 4cm longer than AB

The perimeter of the trapezium is 42 cm

Work out the length of AD

(4)