



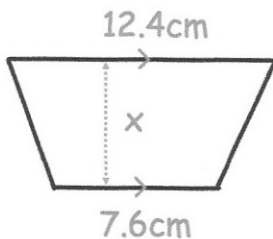
Work out

$$2\frac{5}{8} \div 1\frac{1}{3}$$

$$\frac{21}{8} \div \frac{4}{3}$$

$$\frac{21}{8} \times \frac{3}{4} = \frac{63}{32}$$

$$1\frac{31}{32}$$

The area of the trapezium is 115cm^2 Find x

$$\frac{1}{2} (7.6 + 12.4) x = 115$$

$$10x = 115$$

$$x = 11.5 \text{ cm}$$

A coin is flipped and a dice is rolled.

What is the probability of a tail and a 1?

$$\frac{1}{12}$$

H1 H2 H3 H4 H5 H6
T1 T2 T3 T4 T5 T6

$$\mathbf{a} = \begin{pmatrix} -1 \\ 7 \end{pmatrix} \quad \mathbf{b} = \begin{pmatrix} 3 \\ -4 \end{pmatrix} \quad 2\mathbf{b} = \begin{pmatrix} 6 \\ -8 \end{pmatrix}$$

Work out $\mathbf{a} - 2\mathbf{b}$

$$\begin{pmatrix} -7 \\ 15 \end{pmatrix}$$

The table shows information about the protein content of a yoghurt bar.

	per 100g	per bar
Protein	5.75g	2.3g

The yoghurt bars are sold in 520g packs.

How many bars are there in a pack?

$$\frac{2.3}{5.75} = 0.4$$

$$\frac{40}{100} = 0.4 \quad 40\text{g each}$$

$$520 \div 40 = 13$$

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