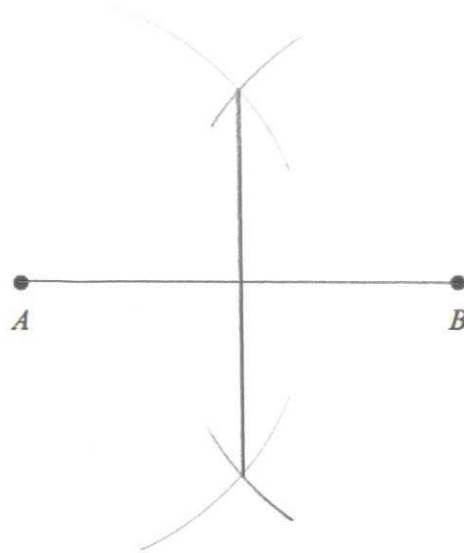


20th January



Corbettmaths



Construct the locus of points that are equidistant from A and B

$$1\frac{4}{5} \div 2\frac{3}{4}$$

$$\frac{9}{5} \div \frac{11}{4}$$

$$\frac{9}{5} \times \frac{4}{11} = \frac{36}{55}$$

A container exerts a force of 400 Newtons on the floor.
The pressure on the table is 50 Newtons/m²

$$p = \frac{F}{A}$$

$$A = \frac{F}{p} = \frac{400}{50} = 8\text{m}^2$$

Calculate the area of the container that is in contact with the table.

Factorise $x^2 + 8x + 16$

$$(x + 4)(x + 4)$$

Factorise $x^2 - 121$

$$(x + 11)(x - 11)$$