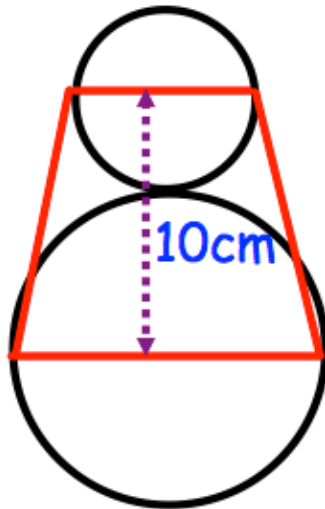


September 8th

Two circles of differing size have radii which add up to 10cm.

An isosceles trapezium has the diameters of the circles as the parallel sides.

Find the area of the trapezium.



Radius of the smaller circle = r

Radius of the larger circle = $2R$

Area of the trapezium is therefore

$$\frac{2r + 2R}{2} \times 10$$

$$= 10(r + R)$$

However, we know that $r+R = 10\text{cm}$

So area = **100cm^2**