

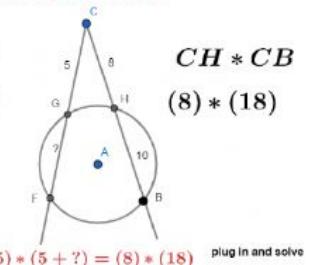
Segments in circles

Segments intersecting the circle make proportional ratios

*exterior part * whole*

$$CG * CF$$

$$(5) * (5 + ?)$$



$$CH * CB$$

$$(8) * (18)$$

plug in and solve

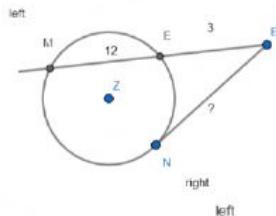
$$(5) * (5 + ?) = (8) * (18)$$

$$(5 + ?) = \frac{(8) * (18)}{5}$$

$$? = \frac{(8) * (18)}{5} - 5$$

What is the length of the RV?

*exterior part * whole*



$$(exterior\ part) * (whole) = (exterior\ part) * (whole)$$

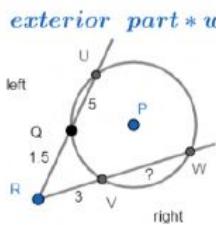
$$(\quad) * (\quad) = (\quad) * (\quad) \text{ segments}$$

$$(\quad) * (\quad) = (\quad) * (\quad) \text{ plugin}$$

$$(\quad) = (\quad)^2 \text{ multiply}$$

= ? ans

What is the length of the RV?



$$(exterior\ part) * (whole) = (exterior\ part) * (whole)$$

$$(\quad) * (\quad) = (\quad) * (\quad) \text{ segments}$$

$$(\quad) * (\quad) = (\quad) * (\quad) \text{ plugin}$$

$$\frac{(\quad) * (\quad)}{(\quad)} = (\quad) \text{ divide}$$

$$\frac{(\quad) * (\quad)}{(\quad)} - = ? \text{ subtract}$$

= ? ans