

## R2 Matching Formulae

Print off the cards below (in colour if you are able). Now re-match the cards.

Area of Trapezium	Add the lengths of the two parallel sides and halve the answer. Multiply this by the perpendicular height.	$A = \frac{1}{2} (a + b) h$
Simple Interest Earned	Multiply together the amount of money invested, the length of time for which it is invested and the percentage rate of interest. Divide the answer by 100.	$I = \frac{PRT}{100}$
Area of a circle	Take the measure of the radius and multiply it by itself. Multiply this result by the constant $\pi$ .	$A = \pi r^2$
Volume of a cone	Take the measure of the radius of the base and multiply this by itself. Multiply this by the perpendicular height of the cone and then by the constant $\pi$ . Divide this answer by three.	$V = \frac{1}{3} \pi r^2 h$

## Support for Literacy, Language and Numeracy

### Compound Interest

Divide the percentage interest rate by 100 and add one. "Raise" the answer to the power given by the number of time periods (e.g. years, months) for which the amount is invested. Multiply by the amount originally invested.

$$A = P\left(1 + \frac{r}{100}\right)^n$$

### Pythagoras' Theorem

Square the lengths of the two shorter sides. Add these answers. Take the square root of this answer

$$c = \sqrt{a^2 + b^2}$$