

# 3-4 Using Formulas

①

Questions/Main Ideas:	Notes:
Standards	AF 2.1 using the order of operations to evaluate algebraic expressions
What is a formula?	<p><u>Formula:</u> is an algebraic expression that shows the relationship between quantities.</p> <p><u>Ex:</u> <math>d = rt</math>  <math>\text{distance} = \text{rate} \cdot \text{time}</math></p> <p>total distance traveled      speed      time spent at said speed</p>
	<p><u>Ex:</u> Mr. "M" drives to school from his house in <math>\frac{1}{2}</math> of an hour. The distance from his house is 22 miles. How fast is Mr. M's average speed.</p> <p>① write formula <math>d = rt</math>                  ② substitute givens <math>22 = r(0.5)</math>                  ③ solve for unknown by isolating using properties of equations <math>44 = r</math></p> <p>average speed is 44 miles per hour</p>
Summary:	<p>Celsius <math>\rightarrow</math> Fahrenheit  <math>F = 1.8C + 32</math>      <math>C \rightarrow</math> Celsius                  if it is <math>40^\circ\text{C}</math> then what is it in F?</p>

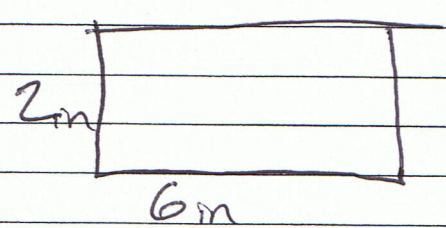
$$F = 1.8C + 32$$

$$F = 1.8(40) + 32$$

$$F = 104^\circ\text{F}$$



# 3-4

Questions/Main Ideas:	Notes:
	Formula for perimeter. Find perimeter of
	
	$P = 2 + 2 + 6 + 6$ $P = 16m$
	Use formula for perimeter of
What is the formula to find the perimeter of a rectangle?	$P = 2l + 2w$ $l = \text{length}; w = \text{width}$ $l = 6m; w = 2m$ $P = 2(6) + 2(2)$ $12 + 4$ $\boxed{16}$
Area of a rectangle?	$A = lw$ $\left. \begin{matrix} 12 + 4 \\ \boxed{16} \end{matrix} \right\} \text{same result using formula.}$
	PB 3-4 HW pg 139-140 12, 16, 20, 23,
Summary:	