1. Adding a pair of parenthesis can change the outcome of a mathematical computation. For instance the following

	$3 + 2 \cdot 4 - 5$
is equal to 6. However	
	$(3+2) \cdot 4 - 5$
is equal to 15, and	
	$3 + 2 \cdot (4 - 5)$

is different still!

How many different numbers can we get by adding one pair of parenthesis to the following expression

- $4 + 2 \cdot 3 + 5 \cdot 7$
- 2. Without a calculator, evaluate

(a)
$$8 - (-8)$$

(b) $\frac{1}{4} - \frac{1}{2}$
(c) $\frac{5}{3} + \left(-\frac{3}{5}\right)$
(d) $\frac{1}{3} - \left(-\frac{2}{4}\right)$
(e) $\frac{4}{7} \cdot \left(-\frac{1}{9}\right)$
(f) $\frac{1}{3} \div \left(\frac{2}{4}\right)$
(g) $\frac{1}{2} + \frac{1}{3} + \frac{1}{12} + \frac{1}{20} + \frac{1}{30}$

3. Find the area of the following figure:



- 4. Write a mathematical equation that represents the phrase "Seven is three less than two times x"
- 5. Write a mathematical equation that represents the phrase "x is half of one more than y "