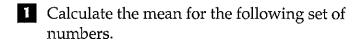
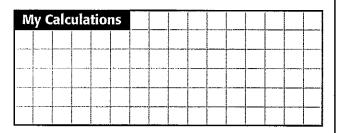
## 7 Calculating the Mean and the Range EVALUATED



$$S = \{5, 8, 8, 9, 11, 14, 15\}$$



2 Calculate the mean for the following set of numbers.

$$S = \{3, 6, 1, 3, 4, 5\}$$

My C	alcula	tions				
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			<u></u>			
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					<del>  </del>	-

Maria had an average of 74 last term in Math. She had 5 tests that were all worth the same amount, but she can only remember the results for 4 of the 5 tests. The 4 results were 65, 70, 72, and 78. What did Maria get on the fifth test?

My	Calc	ulati	ons						
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					AUF. T T		 		



## Skill Builder

This term, Joe has written 4 Math tests all worth the same amount. After the first 3 tests, Joe's average is 88%. What mark does Joe need to get on his fourth test to have an overall average of 90% for the term?

IV	y Ca	ilcu	atio	15					

Determine the range of a number set if the minimum value is 17 and the maximum value is 42.

Vi	y C	alc	ula	tio	15					
										 -

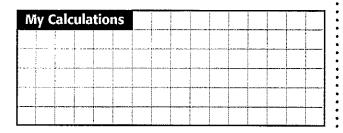
Determine the minimum value in a number set if the range is 8 and the maximum value is 35.

M	y C	alc	ula	tio	15					

## Skill Builder

**7** Determine the range of the following set of numbers.

 $S = \{3, 3, 4, 5, 8, 9, 9, 10, 11, 12, 12\}$ 



B Determine the range of the following set of numbers.

 $S = \{18, 14, 20, 5, 24, 10, 30, 27, 21\}$ 

My C	Calcula	atio	15					

The following table displays the average temperatures month by month for the cities of Montreal and Vancouver. Which city has the higher average temperature? Which city has the largest range of temperature during the year?

Month J F M A M J J A S O N D Montreal -9 -7 -1 7 14 19 22 21 16 9 3 -6 Are in Celsius Vancouver 4 5 6 8 12 15 17 18 14 10 6 4

My	Calc	ula	tio	ns	-								 					***************************************		
		-				<b>-</b>						 	 		 				•••••••••••••••••••••••••••••••••••••••	
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Matthew wrote 4 Math tests last term. His average test score was 73%, and the range of his grades was 20. Matthew's lowest mark was 11% below his average. One of his marks was 3% above his average. What were Matthew's 4 Math test results last term?

My Calculation		
		<del>                                     </del>
		<del>                                     </del>
		<del>   -</del>

• Use the given mean to find the missing number

(1) 
$$8, 3, 9, 4, \underline{\hspace{1cm}} = 5$$

$$(2)$$
  $6, 1, __ = 3$ 

$$(3)$$
  $7, 3, __ = 4$ 

$$(4)$$
  $9, 1, 9, ___ = 5$ 

$$(5)$$
  $6, 5, 2, 5, ___ = 5$ 

(6) 
$$9, 9, 1, 4, \underline{\hspace{1cm}} = 6$$

$$(7)$$
  $2, 8, ___ = 5$ 

(8) 
$$7, 3, \underline{\phantom{0}} = 6$$

(9) 
$$9, 2, 9, 4, \underline{\hspace{1cm}} = 5$$

(10) 
$$6, 3, 7, \underline{\hspace{1cm}} = 5$$

$$(11) 8, 2, 1, \underline{\hspace{1cm}} = 4$$

$$(12)$$
 2, 3, 1, 3,  $=$  3

$$8, 1, \underline{\hspace{1cm}} = 4$$

$$(14)$$
 7, 9, 6, 6,  $\dots$  = 7

$$9, 2, 9, \underline{\hspace{1cm}} 7$$

$$(16)$$
  $3, 7, 8, ___ = 5$ 

$$(17)$$
  $6, 7, __ = 6$ 

$$(18)$$
  $9, 9, 5, ___ = 8$