3.6 Applications: Number Problems and Consecutive Integers
Read each problem carefully, translate the various phrases into algebraic expression, set up and equation, and solve the equation
1) Three less than twice a number is equal to the number, what is the number?
2) The difference between twice a number and 3 is equal to 6 decreased by the number. Find the number.
3) Two added to the quotient of a number and 7 is equal to -3. What is the number?
4) The length of a wire is bent to form a triangle with 2 equal sides. The wire is 26 inches long and the base is 5 inches longer than each equal side. What are the dimensions of the triangle?

Consecutive Integers Word Problems

	Consecut First: Second: Third: Fourth: Fifth:	x + 2 x + 3	Consecu First: Second: Third: Fourth: Fifth:	x + 4 x + 6	
1. The sum of three consecutive integers is 147. Find the integers.					
2. The sum o	of three co	onsecutive odd integers is	s -3. Find	I the integers.	
3. Find three than three tir			e sum of	the first and third is 76 less	
4. Find three	consecut	ive integers such that eig	Jht more	than twice the third is 34.	

This document is 100% funded by the MoSTEMWINs \$19.7 million grant from the U.S. Department of Labor, Employment and Training Administration (TAACCCT). The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.



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