COUNTDOWN Challenge

Consecutive Number Patterns

Study the consecutive numbers below to calculate the sums. Can you discover any patterns?

Easy

Consecutive Numbers Sum 5, 6 _____ 5, 6, 7, _____ 5, 6, 7, 8, _____ 5, 6, 7, 8, 9, _____ 5, 6, 7, 8, 9, 10 _____

Consecutive	Odd	Numbers	

1, 3 _____ 5, 7, 9 _____ 11, 13, 15, 17 _____

Consecutive Even Numbers

2, 4 _____ 6, 8, 10 _____ 12, 14, 16, 18 _____

Challenging

Consecutive Numbers

What two consecutive numbers equal 51?

What three consecutive numbers equal 36?

What four consecutive numbers equal 22?

What five consecutive numbers equal 60?

What six consecutive numbers equal 99?

Consecutive Odd Numbers

What two consecutive odd numbers equal 8?

What three consecutive odd numbers equal 27?

What four consecutive odd numbers equal 96?

Check out this short cut for adding consecutive numbers.



$$2 + 12 = 14$$

$$4 + 10 = 14$$

$$6 + 8 = \pm 14$$

$$42$$

Sum

Sum



$$1+5=6$$

$$2+4=6$$

$$+3$$

$$15$$

Consecutive Even Numbers

What two consecutive even numbers equal 22?

What three consecutive even numbers equal 66?

What four consecutive even numbers equal 300?

COUNTDOWN Challenge

Figurate Numbers

Square numbers can be illustrated with dots in a square pattern. Study the patterns below and complete the chart

Triangular numbers can be illustrated with dots in a triangular pattern. Study the patterns below and complete the chart.

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	mrs • 516	Small • v • coas
	• • •	• • •
1st 2nd 3rd 4th	1st 2nd 3rd	4th
Square Number # of Dots	Triangular Number	# of Dots
Happer 1st man average and all finally	1st	6, 6, 7, 6, 9, 10
2nd 4	2nd	3
3rd	3rd	<u> </u>
4th	4th	5, 7, 9
5th	5th	11,00,10,11
6th	6th	kuli nev <u>čilav</u> itos
7th	7th	2, 4
8th	8th	12, 14, 16, 18
10th	10th	
Consecutive Gyen Rumbors	ut for adding	out this short o
25th	25th	-
50th	50th	1 .01 .8 .9
n-th	n-th	And the second second