Investigating Prime Numbers

The Goldbach Conjecture states that all **even numbers** greater than two can be written as the **sum** of two **prime numbers**.
Show that this is true for all even numbers from 4 to 50.

4	$2+2$	**28**	
6	$3+3$	**30**	
8	$3+5$	**32**	
10		**34**	
12		**36**	
14		**38**	
16		**40**	
18		**42**	
20		**44**	
22		**46**	
24		**48**	
26		**50**	

Goldbach also suggested that all **integers** (whole numbers) **greater than five** can be written as the sum of **three prime** numbers.
Show that this is true for all numbers from 6 to 25.

6	$2+2+2$	**16**	
7	$2+2+3$	**17**	
8		**18**	
9		**19**	
10		**20**	
11		**21**	
12		**22**	
13		**23**	
14		**24**	
15		**25**	