

# Answers to Goldbach's Conjecture

- 4** (2+2)  
**6** (3+3)  
**8** (5+3)  
**10** (5+5)(7+3)  
**12** (5+7)  
**14** (7+7)(3+11)  
**16** (13+3)(11+5)  
**18** (13+5)(11+7)  
**20** (17+3)(13+7)  
**22** (11+11)(17+5)(19+3)  
**24** (19+5)(17+7)(13+11)  
**26** (13+13)(23+3)(19+7)  
**28** (23+5)(17+11)  
**30** (23+7)(19+11)(17+13)  
**32** (29+3)(19+13)  
**34** (17+17)(31+3)(29+5)(23+11)  
**36** (31+5)(29+7)(23+13)(19+17)  
**38** (19+19)(31+7)  
**40** (37+3)(29+11)(23+17)  
**42** (37+5)(31+11)(29+13)(23+19)  
**44** (41+3)(37+7)(31+13)  
**46** (43+3)(41+5)(29+17)(23+23)  
**48** (43+5)(41+7)(37+11)(29+19)(31+17)  
**50** (47+3)(43+7)(37+13)(31+19)  
**52** (47+5)(41+11)(23+29)  
**54** (47+7)(43+11)(41+13)(37+17)(31+23)  
**56** (53+3)(43+13)(37+19)  
**58** (29+29)(53+5)(47+11)(41+17)  
**60** (53+7)(47+13)(43+17)(41+19)(37+23)(31+29)  
**62** (31+31)(59+3)(43+19)  
**64** (61+3)(59+5)(53+11)  
(41+23)(47+17)  
**66** (61+5)(59+7)(53+13)  
(47+19)(43+23)(37+29)  
**68** (61+7)(37+31)  
**70** (67+3)(59+11)(53+17)(41+29)  
**72** (67+5)(61+11)(53+19)(43+29)  
(41+31)(13+59)  
**74** (37+37)(71+3)(61+13)(43+31)(67+7)  
**76** (73+3)(71+5)(59+17)(53+23)(47+29)  
**78** (73+5)(71+7)(67+11)(61+17)  
(59+19)(41+37)(31+47)  
**80** (73+7)(67+13)(61+19)(43+37)  
**82** (41+41)(79+3)(71+11)(59+23)(53+29)  
**84** (79+5)(73+11)(71+13)(67+17)  
(61+23)(53+31)(43+41)(47+37)  
**86** (43+43)(83+3)(79+7)(73+13)(67+19)  
**88** (83+5)(71+17)(59+29)(47+41)  
**90** (73+17)(71+19)(67+23)(61+29)(59+31)  
(53+37)(47+43)  
**92** (89+3)(79+13)(73+19)(61+31)  
**94** (47+47)(89+5)(83+11)(71+23)(53+41)  
**96** (89+7)(83+13)(79+17)(73+23)(67+29)  
(59+37)(53+43)  
**98** (61+37)(79+19)(67+31)  
**100** (3+97)(89+11)(83+17)(71+29)  
(59+41)(53+47)

Fill in the pairs of prime numbers that add up to the even numbers from 4 to 100.

- 4** ( + )  
**6** ( + )  
**8** ( + )  
**10** ( + )( + )  
**12** ( + )  
**14** ( + )( + )  
**16** ( + )( + )  
**18** ( + )( + )  
**20** ( + )( + )  
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**38** ( + )( + )  
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**42** ( + )( + )( + )( + )  
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**56** ( + )( + )( + )  
**58** ( + )( + )( + )( + )  
**60** ( + )( + )( + )( + )( + )( + )

- 62** ( + )( + )( + )  
**64** ( + )( + )( + )  
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**66** ( + )( + )( + )  
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**68** ( + )( + )  
**70** ( + )( + )( + )( + )  
**72** ( + )( + )( + )( + )  
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**74** ( + )( + )( + )( + )( + )  
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**80** ( + )( + )( + )( + )  
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**98** ( + )( + )( + )  
**100** ( + )( + )( + )( + )  
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