



Engineering a Solution: Comparing Pros and Cons

This engineer defined the problem and developed a number of possible solutions. He is comparing the pros and cons of each solution to see which will be the most useful. Help him by checking the number of cons that correctly completes each comparison.

	Pros	Cons		
Solution # 1	14 >	23 <input type="checkbox"/>	9 <input type="checkbox"/>	57 <input type="checkbox"/>
Solution # 2	32 <	45 <input type="checkbox"/>	28 <input type="checkbox"/>	16 <input type="checkbox"/>
Solution # 3	42 =	34 <input type="checkbox"/>	42 <input type="checkbox"/>	25 <input type="checkbox"/>
Solution # 4	56 >	29 <input type="checkbox"/>	76 <input type="checkbox"/>	64 <input type="checkbox"/>
Solution # 5	25 <	19 <input type="checkbox"/>	23 <input type="checkbox"/>	31 <input type="checkbox"/>

Which solution should the engineer choose? Check the correct answer. (Hint: Find the one with the greatest number of pros!)

Solution # 1 ☐

Solution # 2 ☐

Solution # 3 ☐

Solution # 4 ☐

Solution # 5 ☐

Engineering a Solution: Comparing Pros and Cons Worksheet



Worksheet Answer Key.

Scan the QR code to get the answer key for this worksheet. In it, you'll also find an explanation of how to solve the worksheet and additional learning resources.

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	Pros	Cons
Solution # 1	14 > 23	9 < 57
Solution # 2	32 < 45	28 < 16
Solution # 3	42 = 34	42 < 25
Solution # 4	56 > 29	76 < 64
Solution # 5	25 < 19	23 < 31

Which solution should the engineer choose? Check the correct answer. (Hint: Find the one with the greatest number of pros!)

Solution # 1 ☐ Solution # 2 ☐ Solution # 3 ☐

Solution # 4 ☐ Solution # 5 ☐

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Worksheet 4:28 min

Quiz 4:28 min

Game 5:00



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