

Unit 3, Topic 6 – Selection of the Best Solution

Go back to your *Design Brief* (Topic 3) and review your expectations. Reprint your expectations in a table and use those expectations to evaluate the drawings from your *Possible Solutions* (Topic 5). Use a 5-point scale (1 being a fail and 5 being outstanding).

Below, is a table with expectations used to evaluate several vehicles:

	FORD EXPLORER (suv)	TOYOTA COROLLA (compact car)	CAPRICE CLASSIC (station wagon)
Ample Storage Space	5	2	5
Good fuel economy	2	5	2
Excellent handling	2	4	4
Comfortable for extended trips	4	1	5
Luxury features (power steering, air conditioning, power windows, heated seats)	5	1	5
Low maintenance costs	3	3	4
TOTALS	21	16	25

Once you add the totals, you will have an objective, numeric evaluation of all your prototypes and you can easily choose a winner. However, if you are disappointed with the result, you may need to change your expectations or even change the weight of the expectations. For example, these results would be different if “Good fuel economy” was graded out of 25 or 50. That would drive the numbers up for the TOTOTA COROLLA and it would have won the Best Solution.

