

Test Plan – The Cell Sell

| Test Cases | | Score |
|---|---|---------|
| Description | Output in bold text, input in regular text | Score |
| Typical case <ul style="list-style-type: none"> Daytime minutes more than free threshold for both plans Plan A is cheapest All output text exactly as shown Amounts exactly as shown | Number of daytime minutes you will use? 300 Number of evening minutes you will use? 145 Number of weekend minutes you will use? 50 Plan A costs 81.75 Plan B costs 85.75 Plan A is cheapest. | 0 1 2 3 |
| Typical case <ul style="list-style-type: none"> Daytime minutes more than free threshold for both plans Plan B is cheapest NOTE: Cents OK rather than dollars, if desired. | Number of daytime minutes you will use? 262 Number of evening minutes you will use? 90 Number of weekend minutes you will use? 10 Plan A costs 56.00 Plan B costs 39.40 Plan B is cheapest. | 0 1 |
| Typical case <ul style="list-style-type: none"> Daytime minutes more than free threshold for both plans Plans A and B are same cost NOTE: Cents OK rather than dollars, if desired. | Number of daytime minutes you will use? 296 Number of evening minutes you will use? 140 Number of weekend minutes you will use? 6 Plan A costs 71.20 Plan B costs 71.20 Plans A and B are the same price. | 0 1 |

| Test Cases | | |
|---|--|--------------|
| Description | Output in bold text, input in regular text | Score |
| Typical case • Daytime minutes less than free threshold for plan B, not plan A • Plan A is cheapest NOTE: Cents OK rather than dollars, if desired. | Number of daytime minutes you will use? 200 Number of evening minutes you will use? 150 Number of weekend minutes you will use? 10 Plan A costs 49.50 Plan B costs 55.00 Plan A is cheapest. | 0 1 |
| Typical case • Daytime minutes less than free threshold for plan B, not plan A • Plan B is cheapest NOTE: Cents OK rather than dollars, if desired. | Number of daytime minutes you will use? 210 Number of evening minutes you will use? 110 Number of weekend minutes you will use? 70 Plan A costs 58.00 Plan B costs 56.00 Plan B is cheapest. | 0 1 |
| Typical case • Daytime minutes less than free threshold for plan B, not plan A • Plans A and B are same cost NOTE: Cents OK rather than dollars, if desired. | Number of daytime minutes you will use? 210 Number of evening minutes you will use? 130 Number of weekend minutes you will use? 30 Plan A costs 53.00 Plan B costs 53.00 Plans A and B are the same price. | 0 1 |
| Typical case • Daytime minutes less than free threshold for both plans • Plan A is cheapest NOTE: Cents OK rather than dollars, if desired. | Number of daytime minutes you will use? 75 Number of evening minutes you will use? 30 Number of weekend minutes you will use? 50 Plan A costs 14.50 Plan B costs 23.00 Plan A is cheapest. | 0 1 |

| Test Cases | | |
|--|--|---------|
| Description | Output in bold text, input in regular text | Score |
| Boundary condition <ul style="list-style-type: none"> • Zero minutes for all plans • Plans A and B are same cost | Number of daytime minutes you will use? 0 Number of evening minutes you will use? 0 Number of weekend minutes you will use? 0 Plan A costs 0.00 Plan B costs 0.00 Plans A and B are the same price. | 0 1 2 3 |
| Invalid input <ul style="list-style-type: none"> • Invalid input rejected at daytime minutes prompt • Out of range input rejected | Number of daytime minutes you will use? fifty Number of daytime minutes you will use? -1 Number of daytime minutes you will use? <i>(et cetera)</i> | 0 1 2 |
| Invalid input <ul style="list-style-type: none"> • Invalid input rejected at evening minutes prompt • Out of range input rejected | Number of daytime minutes you will use? 50 Number of evening minutes you will use? 90.1 Number of evening minutes you will use? -1 Number of evening minutes you will use? <i>(et cetera)</i> | 0 1 2 |
| Invalid input <ul style="list-style-type: none"> • Invalid input rejected at weekend minutes prompt • Out of range input rejected | Number of daytime minutes you will use? 50 Number of evening minutes you will use? 90 Number of weekend minutes you will use? one hundred! Number of weekend minutes you will use? -1 Number of weekend minutes you will use? <i>(et cetera)</i> | 0 1 2 |

Total score / 18

Comments