



# Answer Key

Average Daily Speed

| Python   | Distance (miles) |                |                |                |                |                | Total (miles)     | Average Daily Speed (ADS) (miles/day) | ADS Reduced (miles/day) | ADS                            |
|----------|------------------|----------------|----------------|----------------|----------------|----------------|-------------------|---------------------------------------|-------------------------|--------------------------------|
|          | Day 15           | Day 30         | Day 45         | Day 60         | Day 75         | Day 90         |                   |                                       |                         |                                |
| <b>B</b> | $4\frac{1}{5}$   | $2\frac{1}{2}$ | $3\frac{1}{3}$ | $3\frac{1}{4}$ | $2\frac{2}{5}$ | $4\frac{2}{3}$ | $20\frac{7}{20}$  | $\frac{407}{1800}$                    | $\frac{407}{1800}$      | $\frac{2}{9}$ or $\frac{1}{4}$ |
| <b>E</b> | $3\frac{1}{3}$   | $3\frac{1}{3}$ | $4\frac{1}{4}$ | $2\frac{3}{5}$ | $4\frac{1}{2}$ | $2\frac{2}{3}$ | $20\frac{41}{60}$ | $\frac{1241}{5400}$                   | $\frac{1241}{5400}$     | $\frac{2}{9}$ or $\frac{1}{4}$ |
| <b>H</b> | $4\frac{3}{4}$   | $4\frac{1}{4}$ | $3\frac{3}{5}$ | $2\frac{2}{5}$ | $3\frac{1}{2}$ | $2\frac{2}{3}$ | $21\frac{1}{6}$   | $\frac{127}{540}$                     | $\frac{127}{540}$       | $\frac{1}{4}$                  |
| <b>M</b> | $3\frac{1}{2}$   | $5\frac{1}{5}$ | $4\frac{2}{3}$ | $2\frac{1}{3}$ | $3\frac{1}{4}$ | $2\frac{3}{5}$ | $21\frac{11}{20}$ | $\frac{431}{1800}$                    | $\frac{431}{1800}$      | $\frac{1}{4}$                  |
| <b>N</b> | $4\frac{1}{4}$   | $2\frac{2}{5}$ | $3\frac{1}{2}$ | $3\frac{2}{3}$ | $3\frac{1}{3}$ | $4\frac{3}{4}$ | $21\frac{9}{10}$  | $\frac{219}{900}$                     | $\frac{73}{300}$        | $\frac{1}{4}$                  |
| <b>O</b> | $3\frac{2}{3}$   | $3\frac{3}{5}$ | $4\frac{1}{2}$ | $2\frac{3}{4}$ | $3\frac{1}{3}$ | $4\frac{1}{4}$ | $22\frac{1}{10}$  | $\frac{221}{900}$                     | $\frac{221}{900}$       | $\frac{1}{4}$                  |
| <b>P</b> | $4\frac{2}{3}$   | $4\frac{4}{5}$ | $3\frac{1}{2}$ | $2\frac{3}{4}$ | $2\frac{1}{3}$ | $3\frac{1}{4}$ | $21\frac{3}{10}$  | $\frac{213}{900}$                     | $\frac{71}{300}$        | $\frac{1}{4}$                  |
| <b>R</b> | $3\frac{1}{4}$   | $2\frac{1}{2}$ | $4\frac{2}{3}$ | $3\frac{3}{5}$ | $2\frac{1}{3}$ | $4\frac{2}{5}$ | $20\frac{3}{4}$   | $\frac{83}{360}$                      | $\frac{83}{360}$        | $\frac{2}{9}$ or $\frac{1}{4}$ |
| <b>S</b> | $4\frac{1}{2}$   | $3\frac{2}{3}$ | $2\frac{1}{4}$ | $3\frac{3}{5}$ | $4\frac{1}{3}$ | $2\frac{4}{5}$ | $21\frac{3}{20}$  | $\frac{423}{1800}$                    | $\frac{47}{200}$        | $\frac{1}{4}$                  |
| <b>T</b> | $3\frac{3}{4}$   | $4\frac{3}{4}$ | $2\frac{1}{2}$ | $3\frac{2}{3}$ | $2\frac{1}{3}$ | $4\frac{2}{5}$ | $21\frac{2}{5}$   | $\frac{107}{450}$                     | $\frac{107}{450}$       | $\frac{1}{4}$                  |
| <b>U</b> | $4\frac{1}{3}$   | $2\frac{1}{2}$ | $3\frac{2}{3}$ | $3\frac{3}{4}$ | $4\frac{1}{4}$ | $2\frac{3}{5}$ | $21\frac{1}{10}$  | $\frac{211}{900}$                     | $\frac{211}{900}$       | $\frac{1}{4}$                  |
| <b>Y</b> | $3\frac{1}{5}$   | $4\frac{1}{3}$ | $2\frac{3}{5}$ | $3\frac{1}{2}$ | $4\frac{1}{4}$ | $2\frac{2}{3}$ | $20\frac{11}{20}$ | $\frac{411}{1800}$                    | $\frac{137}{600}$       | $\frac{2}{9}$ or $\frac{1}{4}$ |