



PROBLEM SOLVING – TRAVELLING SALAMANDERS (METRIC UNITS)

Captain Salamander has just returned from a round the world trip with his friend Tyger. Here are the places they visited.

| From | To | Distance (km) | Distance to nearest 100 km |
|---------------|---------------|---------------|----------------------------|
| Washington DC | Los Angeles | 3693 | 3700 |
| Los Angeles | Tokyo | 8807 | |
| Tokyo | Bombay | 6741 | |
| Bombay | Athens | 5173 | |
| Athens | Paris | 2096 | |
| Paris | London | 343 | |
| London | Washington DC | 5899 | |

1) Fill in the distance to the nearest 100 km column.

2) Put the distances in order from shortest to longest.

_____ shortest _____ longest

3) How much further is the trip from Bombay to Athens than the trip from Washington DC to Los Angeles? _____ km

4) What is the total distance from Los Angeles to Tokyo to Bombay to Athens? _____ km

5) Tyger says 'The distance from Washington DC to Los Angeles is more than 10 times the distance from Paris to London.' Is he right? _____

6) When arriving at Bombay, Tyger says 'So far we have travelled over 20,000 km.' Is he right?



Name

Date



PROBLEM SOLVING – TRAVELLING SALAMANDERS (METRIC) ANSWERS

| From | To | Distance (km) | Distance to nearest 100 km |
|---------------|---------------|---------------|----------------------------|
| Washington DC | Los Angeles | 3693 | 3700 |
| Los Angeles | Tokyo | 8807 | 8800 |
| Tokyo | Bombay | 6741 | 6700 |
| Bombay | Athens | 5173 | 5200 |
| Athens | Paris | 2096 | 2100 |
| Paris | London | 343 | 300 |
| London | Washington DC | 5899 | 5900 |

1) Fill in the distance to the nearest 100 km column.

2) Put the distances in order from shortest to longest.

343km 2096km 3693km 5173km 5899km 6741km 8807km
shortest longest

3) How much further is the trip from Bombay to Athens than the trip from Washington DC to Los Angeles? 1480 km

4) What is the total distance from Los Angeles to Tokyo to Bombay to Athens? 20,721 km

5) Tyger says 'The distance from Washington DC to Los Angeles is more than 10 times the distance from Paris to London.' Is he right? Yes

W->LA = 3693km P->L = 343km $343 \times 10 = 3430\text{km}$ so he is correct.

6) When arriving at Bombay, Tyger says 'So far we have travelled over 20,000 km.' Is he right?

W->LA->T->B = $3693+8807+6741 = 19,241\text{km}$ so he is wrong!

