|  |  |
| --- | --- |
| EGC_Black | Student Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    **Eastern Goldfields College**  Mathematics Essentials 2017 (PART 1)  Investigation 5 – Road Fatalities  1 |

**DUE DATE**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **TOTAL MARKS**: 80

This is a 3 lesson investigation worth 20% of your mark.

**PART A: Comparing Total Fatalities across all States of Australia**

**Question 1 (8 marks: 4, 4)**

Collate the data from **2010** (Jan) into the table below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| State | Driver | Passenger | Motorcycle | Bicycle | Motorcycle Passenger | Pedestrian | Total |
| ACT |  |  |  |  |  |  |  |
| NSW |  |  |  |  |  |  |  |
| NT |  |  |  |  |  |  |  |
| Qld |  |  |  |  |  |  |  |
| SA |  |  |  |  |  |  |  |
| Tas |  |  |  |  |  |  |  |
| Vic |  |  |  |  |  |  |  |
| WA |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | **75** |

Collate the data from **2015** (Jan) into the table below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| State | Driver | Passenger | Motorcycle | Bicycle | Motorcycle Passenger | Pedestrian | Total |
| ACT |  |  |  |  |  |  |  |
| NSW |  |  |  |  |  |  |  |
| NT |  |  |  |  |  |  |  |
| Qld |  |  |  |  |  |  |  |
| SA |  |  |  |  |  |  |  |
| Tas |  |  |  |  |  |  |  |
| Vic |  |  |  |  |  |  |  |
| WA |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | **75** |

**Question 2 (1 mark)**

Why would someone put this data into a table?

**Question 3 (2 marks)**

Give 2 reasons why the government would collect this data?