|  |  |  |
| --- | --- | --- |
| Year | Mathematics Test  Location | **Calculator Test** |
|  | Name |  |

|  |  |
| --- | --- |
| **Answer all questions in the spaces provided on this test paper by**  **Writing the answer in the box provided.**  **or**  **Shading in the bubble for the correct answer from the four choices provided.**  **Show any working out on the test paper.** | |
| 1. | A car is travelling along a straight road in a north west direction. A car is approaching from the opposite direction. What direction is the second car travelling?  North east South east  South west North west |
| 2. | The scale on a map is 4 cm : 100 km. Jack measures a distance of 24 cm on the map. What real distance does this represent?  km |
| 3. | Which point is located at (4,7)?  A B  C D |
| 4. | Angie travels 16 km South west then 10 km West and finally 16 km North west. What direction is she from her starting point after these journeys?  East North North east West |
| Questions 5 – 8 refer to the map of Blues County. | |
| 5. | What is located at the grid reference E8?  Allentown Kingstown Broadway Nutbush |
| 6. | What is the grid reference of Memphis? |
| 7. | Which town could be described as being south of the Orinoko River and west of Blueberry Hill? |
| 8. | What town is south east of Massachusetts and south west of Strawberry Fields?  Blueberry Hill Jonestown Kingstown Memphis |
| Darwin  Cairns  Broome  Townsville  Alice Springs  Geraldton  Brisbane  Perth  Broken Hill  Sydney  Adelaide  Canberra  Melbourne  Hobart  **Questions 9 to 13 refer to the map of the Australia.** | |
| 9. | What cities are at grid references H2 and B5?  Townsville and Broken Hill Townsville and Perth  Perth and Darwin Melbourne and Perth |
| 10. | From the map, how far is it from Alice Springs to Adelaide to the nearest 200 km?  km. |
| 11. | What city is about 2 200 km NW of Sydney? |
| 12. | What city is NE of Adelaide and East of Perth?  Brisbane Broken Hill  Canberra Sydney |
| 13. | A City lies East of Perth and North west of Adelaide. What is its grid reference? |
| ***Map of Mayville City Centre***  0  Scale 1cm represents 50 m  Questions 14 to 20 refer to the map above of Mayville City Centre. | |
| 14. | Carrie lives at C and Angela lives at A. What direction is Angela’s home from Carrie’s?  SW NE NW SE |
| 15. | Bella lives at B. Approximately how far is it from Bella’s home to Carrie’s home in a straight line?  100 m 300 m 500 m 700 m |
| 16. | Delilah lives at D. What direction would she walk along Topaz Tce from her home to get to the church?  N E S W |
| 17. | Frances lives on the corner of two streets. One street runs in a north-easterly direction and the other runs parallel to the river. Her home is due east of the hotel.  On the corner of which streets does Frances live?  Wattlebird St and Rabbit Pl Wattlebird St and Fox Rd  Currawong St and Fox Rd Currawong St and Rabbit Pl |
| 18. | Emma lives at E. What is the shortest distance that it would take to walk from her home to the Vet Clinic?  metres |
| 19. | Angela leaves her home and walks south along her street till she comes to the end of her street, then turns right and walks to the next intersection where she turns left and walks to the end of the block, then turns right.  Whose home is she near at this point?  Angela’s Carrie’s  Delilah’s Emma’s |
| 20. | Who lives about 400 m from the vet clinic and 300 metres from the Post Office? |

|  |  |  |
| --- | --- | --- |
| Year | Mathematics Test  Location | **Calculator Test** |
|  | ANSWERS |  |

|  |  |
| --- | --- |
| **Answer all questions in the spaces provided on this test paper by**  **Writing the answer in the box provided.**  **or**  **Shading in the bubble for the correct answer from the four choices provided.**  **Show any working out on the test paper.** | |
| 1. | A car is travelling along a straight road in a north west direction. A car is approaching from the opposite direction. What direction is the second car travelling?  North east South east  South west North west |
| 2. | The scale on a map is 4 cm : 100 km. Jack measures a distance of 24 cm on the map. What real distance does this represent?    km |
| 3. | Which point is located at (4,7)?  A B  C D |
| 4. | Angie travels 16 km South west then 10 km West and finally 16 km North west. What direction is she from her starting point after these journeys?  East North North east West |
| Questions 5 – 8 refer to the map of Blues County. | |
| 5. | What is located at the grid reference E8?  Allentown Kingstown Broadway Nutbush |
| 6. | What is the grid reference of Memphis? |
| 7. | Which town could be described as being south of the Orinoko River and west of Blueberry Hill? |
| 8. | What town is south east of Massachusetts and south west of Strawberry Fields?  Blueberry Hill Jonestown Kingstown Memphis |
| Darwin  Cairns  Broome  Townsville  Alice Springs  Geraldton  Brisbane  Perth  Broken Hill  Sydney  Adelaide  Canberra  Melbourne  Hobart  **Questions 9 to 13 refer to the map of the Australia.** | |
| 9. | What cities are at grid references H2 and B5?  Townsville and Broken Hill Townsville and Perth  Perth and Darwin Melbourne and Perth |
| 10. | From the map, how far is it from Alice Springs to Adelaide to the nearest 200 km?  km. |
| 11. | What city is about 2 200 km NW of Sydney? |
| 12. | What city is NE of Adelaide and East of Perth?  Brisbane Broken Hill  Canberra Sydney |
| 13. | A City lies East of Perth and North west of Adelaide. What is its grid reference? |
| ***Map of Mayville City Centre***  0  Scale 1cm represents 50 m  Questions 14 to 20 refer to the map above of Mayville City Centre. | |
| 14. | Carrie lives at C and Angela lives at A. What direction is Angela’s home from Carrie’s?  SW NE NW SE |
| 15. | Bella lives at B. Approximately how far is it from Bella’s home to Carrie’s home in a straight line?  100 m 300 m 500 m 700 m |
| 16. | Delilah lives at D. What direction would she walk along Topaz Tce from her home to get to the church?  N E S W |
| 17. | Frances lives on the corner of two streets. One street runs in a north-easterly direction and the other runs parallel to the river. Her home is due east of the hotel.  On the corner of which streets does Frances live?  Wattlebird St and Rabbit Pl Wattlebird St and Fox Rd  Currawong St and Fox Rd Currawong St and Rabbit Pl |
| 18. | Emma lives at E. What is the shortest distance that it would take to walk from her home to the Vet Clinic?    metres |
| 19. | Angela leaves her home and walks south along her street till she comes to the end of her street, then turns right and walks to the next intersection where she turns left and walks to the end of the block, then turns right.  Whose home is she near at this point?  Angela’s Carrie’s  Delilah’s Emma’s |
| 20. | Who lives about 400 m from the vet clinic and 300 metres from the Post Office? |