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| Year  7 | Mathematics Test –  Metric System of Measurement | **Non Calculator Test** |
|  | Name |  |

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| **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. | The mass of a can of peas is 0.35 kg. How many grams is this?  35 g 350 g 3 500 g 35 000 g |
| 2. | A carton of milk is described as holding 600 millilitres. How many litres would ten of these cartons would hold?  litres |
| 3. | Karrie calculates that the average length of her pace is 80 cm. In walking home from school she takes 2000 paces. How far is it from school to home?  0.8 km 1.6 km 4 km 16 km |
| 4. | Gil, Kelly and Rhys measure the masses of their school bags. Gil’s bag has a mass of 7 400 grams, Kelly’s bag has a mass of 4.8 kg and Rhys’ bag has a mass of 6 600 g. What is the total mass of the three bags?    6.2 kg  14.048 kg.  14.48 kg.  18.8 kg. |
| 5. | Which two units would be appropriate to measure the mass of a small truck?  grams or kilograms kilograms or tonnes  milligrams or grams grams or tonnes |
| 6. | Which distance is the same as 800 metres?  0.08 km 0.8 km 8 km 80 km |
| 7. | The width of a Candice’s wardrobe is 2.65 m and the width of her desk is 160 cm. What is the total width of the wardrobe and desk?  .  metres. |
| 8. | A jug full of water has a mass of 1.8 kg.  The empty jug has a mass of 300 grams.  1 litre of water has a mass of 1 kilogram.  .  How many litres of water does the jug hold? litres. |
| 9. | Jason has the three containers of fuel shown to fill his trail bike when he is in the bush.  How many litres of fuel does he have when the three containers are all full?  26.1 L 36 L 80 L 36 000 L |
| 10. | DSCF1437a.jpgWhich of the following could be the approximate mass of a normal 12 year old male school student?    1.4 kg  14 kg.  44 kg.  140 kg |
| 11. | The measuring cylinder shown contains some water. How much more water must be added to the cylinder, so that it holds 2 litres of water?    760 mL.  800 mL.  1 240 mL.  1 200 mL. |
| 12. | Rhianna wants to measure the length of a sporting field near her home. Which measuring instrument would be appropriate to do this with?    Trundle wheel.  Ruler.  Metre Rule.  Sewing kit measuring tape. |
| 13. | Two friends spend some time over the long weekend studying for their maths test. Their study times are shown below.  Josie : Three hours and twenty minutes.  Keisha : One hour and thirty five minutes.  How many more minutes did Josie study, compared to Keisha?  105 minutes 115 minutes 125 minutes 135 minutes |
| 14. | A movie starts at 3:35pm and runs for 2 hours and 27 minutes. What time should the movie end?  :  pm. |
| 15. | The time in Perth is an hour and a half earlier than the time in Adelaide. What time is it in Perth if it is 1:10 pm in Adelaide?    11:20 am 11:40 am 2:20 pm 2:40 pm |
| 16 | Which of the clocks below would be accurate, if the correct time on Owens digital watch shows 16:35? |
| 17. | A clock on the DVD recorder shows a time of 13:56. Hannah checks her guide and sees a program she wants to record starts at 4:45 pm. How long is it before the program starts?      hours and minutes. |
|  | Questions 18 – 20 refer to the section of a rail timetable, shown below.     |  |  |  |  |  | | --- | --- | --- | --- | --- | | Station | am | am | am | am | | Katoomba | 7:15 | 8:09 | 9:15 | 10:29 | | Leura | 7:25 | 8:19 | -- | 10:39 | | Wentworth F | 7:33 | 8:27 | -- | 10:47 | | Lawson | 7:45 | 8:39 | -- | 10:59 | | Hazelbrook | 7:52 | 8:46 | -- | 11:06 | | Woodford | 7:59 | 8:53 | -- | 11:13 | | Linden | 8:04 | -- | -- | -- | | Faulconbridge | 8:10 | 9:00 | -- | 11:20 | | Springwood | 8:15 | 9:05 | 10:00 | 11:25 | | Valley Heights | 8:21 | 9:11 | -- | -- | | Blaxland | 8:27 | 9:18 | -- | 11:33 | | Glenbrook | 8:33 | 9:23 | -- | 11:38 | | Lapstone | 8:40 | 9:30 | -- | 11:45 | | Emu Plains | 8:47 | 9:38 | -- | 11:53 | | Penrith | 8:55 | 9:45 | 10:25 | 12:00 | |
| 18. | How many minutes does it take to get from Falconbridge to Penrith on the train that leaves Katoomba at 7:15?    40 minutes 45 minutes 55 minutes 65 minutes |
| 19. | Henrietta lives in Leura and needs to be in Springwood for an appointment at 10:15. What time would she need to catch a train at Leura to make it in time for the appointment?  : |
| 20. | How many minutes more does the 7:15 am train take to get from Katoomba to Penrith, compared to the 9:15 am train?    minutes. |
| 21. | Rory checks his watch as he leaves home and he sees the time shown. When he reaches work he sees the time shown on the clock on the wall, and notices that it is five minutes slow according to his watch.  How long did it take him to get from home to work?    Rory’s watch at home. Clock at work.  35 minutes 40 minutes 45 minutes 50 minutes |
| 22. | Helen’s date of birth is 21/05/2000. One day, she looked at the calendar and saw that the date was 15th March. How many days was it until her next birthday?    days. |

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|  | ANSWERS |  |

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| 17. | A clock on the DVD recorder shows a time of 13:56. Hannah checks her guide and sees a program she wants to record starts at 4:45 pm. How long is it before the program starts?  49  2  hours and minutes. |
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| 22. | Helen’s date of birth is 21/05/2000. One day, she looked at the calendar and saw that the date was 15th March. How many days was it until her next birthday?  67  days. |