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| EGC_Black | Student Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    **Eastern Goldfields College**  Essential Mathematics Unit 4 2016 Mental Skills Test 4  Time Allowed 10 Minutes - Total Marks: 14 marks 1 |
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| 1. True or False. It is very likely that the temperature will reach above 30˚ in Perth in February. | 2. Round 4234.7 km to the nearest 10 km. |
| 3. Railways Colts have won 3 of their 12 games. What is their relative frequency of winning, express as a decimal. | 4. Simplify |
| 5. List all the outcomes of flipping a coin twice. | 6. What is one way of displaying all possible outcomes of rolling 2 dice? |
| 7. If 200ml of a 500ml drink bottle is poured out what percentage of the drink is left in the bottle? | 8. Which probability is more likely 0.7 or |
| Macintosh HD:Users:cookie:Downloads:F.24.png9. If this you spun this spinner 500 times, how many times would you expect it to land on red? | 10. Place the following on the number line:  Macintosh HD:Users:cookie:Downloads:3-1-8_5_ex2.gifA: Certain B: Unlikely C: Impossible D: Likely |
| 11. Rewrite these probabilities from most likely to least likely.  0.2 1/6 30% 0.08 3/4 | 12. The smoking rate in Australia is approximately 15%. If we took a sample of 200 people how many would you expect to be smokers? |
| 13. Increase 15kg by 10% | 14. If you had $25 and spent $6.85 on lollies, how much money would you have left? |