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| EGC_Black | Student Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    **Eastern Goldfields College**  Essential Mathematics Unit 2 2015 Mental Skills Test 2  Time Allowed 10 Minutes - Total Marks: 15 marks 1 |
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| 1. Write 125% as a decimal.  1.25 | 2. Find 5% of 360  18 | |
| 3. Increase $120 by 10%, then by 10% again.  $132 then $145.20 | 4. Divide 100 in the ratio 6:4  60 : 40 | |
| 5. Write the ratio 14 : 8 in its simplest form.  7 : 4 | 6. What would be the simple interest on $1500, at a rate of 10%, over 2 years?  $300 | |
| 7. (10 - 5)2 x 2 = 50 | 8. 6 + 2 x 3 = 12 | |
| 9. Simplify the ratio 4 Days **:** 2 Weeks  2 : 7 | 10. Express 15 as a decimal. 0.75  20 | |
| 11. Write 0.072 as a percentage  7.2% | 12. What is 1 of $60? $20  ­­ 3 | |
| 13. Write 30% as a fraction. 3/10 | 14. Decrease 500 by 15%  $425 | |
| 15. Approximately what is the upper quartile (Q3) of this boxplot? | | 20 |