

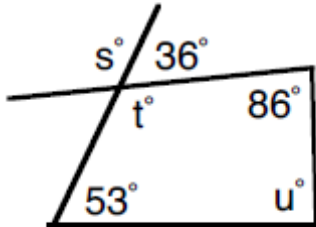
Homework 9

Due in:

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| 1. Evaluate 5^3 | 3. Estimate the answer to $\frac{37+18}{19.1-9.7}$ |
| 2. $\frac{4}{7} \times \frac{3}{5}$ (show working) | 4. What is the inverse function for $x \rightarrow 3x + 1$? |

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| <p>5. What is the nth term of this sequence? 4, 7, 10, 13, 16, . . .</p> | <p>8. If you reflect the point (3,4) in the x axis, what are its new coordinates?</p> |
| <p>6. Solve $4x + 6 = 5x - 3$</p> | <p>9. Showing a complete written method calculate, $392 \div 7$</p> |
| <p>7. Substitute $a = 3$ and $b=6$ into $2a^2 + 3b$</p> | <p>10. Area of a triangle is given by $\frac{1}{2} \times \text{base} \times \text{height}$. If a triangle has a base of 4cm, and a height of 8 cm, what is its area? (show working)</p> |

11.
s =
t =
u =



(show working)

14. If you rolled a 6 faced die 36 times, how many 6's would you expect to get?

12. What is the interior angle of a regular pentagon?

15. Increase 120 by 15%

13. A bag contains 2 red, 3 green and 5 blue counters, a counter is taken at random from the bag, what is the probability it is not blue?

16. What is $\frac{2}{9}$ of $\frac{3}{5}$ 45?

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| <p>17. What are the gradient and the coordinates of the y intercept of the graph $y = 2x + 3$</p> | <p>19. What is the width of a rectangle which has an area of 24 cm^2, and a length of 6 cm. (show working)</p> |
| <p>18. Divide £45 in the ratio 3:2</p> | <p>20. The mean of 5 numbers is 10. Here are 4 of the numbers, what is the 5th number? 4, 6, 10, 13</p> |

Total:

