Stanground Academy

Mathematics Department

Year 9 Foundation

Home Learning Booklet – 1st June



Student’s Name:....................................................

Teacher:.................................................

*Please Note; it is important to show your working out, if not you will not receive the marks.*

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| **Week 1** | **Lesson 1** |
| Q1)  394 + 238 | Q7)  724 – 356 |
| Q2)  375 5 | Q8)  18 x 11 |
| Q3)  What is of 90? | Q9)  What is 15% of £380? |
| Q4)  Round 23532 to 2 significant figures | Q10)  Round 9.4826 to 1 decimal place |
| Q5)  Write down all of the factors of 40  *(HINT: there are 8 factors)* | Q11) What is the perimeter of this shape?  9cm  9cm  12cm  8cm |
| Q6) What is the area of this shape?  14cm  3.5cm  3.5cm  14cm | Q12) What is the circumference of this circle in terms of ?  12cm |
| **Week 1** | **Lesson 2** |
| Q1)  1234 + 987 | Q7)  63.5 – 21.8 |
| Q2)  245 7 | Q8)  23 x 8 |
| Q3) There are 7 white beads and 13 red beads in a bag. There are no other beads in the bag.  Jim takes at random a bead from the bag. Write down the probability that the bead will be white. | Q9)  What are the next two terms in the sequence:  3, 8, 13, 18, …., …… |
| Q4)  What is 34% as a decimal? | Q10)  What is the Lowest Common Multiple of 6 and 10? |
| Q5)  What is the Highest Common Factor of 24 and 18? | Q11)  3a – 8 = 22, what does a equal? |
| Q6) Ratio  Split £60 into the ratio 2:1 | Q12) In a class of 30 students 2/5 have brown hair, 30% have blonde, the rest have black hair.   1. How many students have brown hair? 2. How many Students have blonde hair?   c) How many students have black hair? |

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| **Week 1** | **Lesson 3** |
| Q1)  2367 + 236.3 | Q7)  374 – 267 |
| Q2)  243 9 | Q8)  19 x 15 |
| Q3)  What is bigger or | Q9)  What is 40% of £230? |
| Q4)  Round 2916.5 to 1 significant figure | Q10)  Round 7.844825 to 2 decimal places |
| Q5)  Write down all of the factors of 48  *(HINT: there are 8 factors)* | Q11) What is the perimeter of this shape?  18cm  32cm |
| Q6) What is the area of this shape?  8cm  7cm  10cm | Q12) What is the area of this circle in terms of ?  5cm |
| **Week 1** | **Lesson 4** |
| Q1)  4278 + 2893 | Q7)  1459 – 823 |
| Q2)  420 12 | Q8)  16 x 28 |
| Q3) There are 8 white beads and 12 red beads in a bag. There are no other beads in the bag.  Jim takes at random a bead from the bag. Write down the probability that the bead will be red in its simplest form. | Q9)  What are the next two terms in the sequence:  1, 3, 9, 27, …., ….. |
| Q4)  What is 3/4 as a decimal? | Q10)  What is the Lowest Common Multiple of 5 and 8? |
| Q5)  What is the Highest Common Factor of 18 and 24? | Q11)  7b – 12 = 9, what does b equal? |
| Q6) Ratio  Split £75 into the ratio 2:3 | Q12) Order the following from smallest to largest  0.35, 1/4, 32%, 0.29, |