Stanground Academy

Mathematics Department

Year 9 Foundation

Home Learning Booklet – 20th April



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)  472 + 247 | Q7)  924 – 362 |
| Q2)  225 5 | Q8)  17 x 13 |
| Q3)  What is of 40? | Q9)  What is 25% of £240? |
| Q4)  Round 23532 to 2 significant figures | Q10)  Round 5.3168 to 1 decimal place |
| Q5)  Write down all of the factors of 20  *(HINT: there are 6 factors)* | Q11) What is the perimeter of this shape?  7cm  7cm  10cm  4cm |
| Q6) What is the area of this shape?  9cm  5cm  5cm  9cm | Q12) What is the circumference of this circle in terms of ?  4cm |
| **Week 1** | **Lesson 2** |
| Q1)  396 + 417 | Q7)  123 – 98 |
| Q2)  161 7 | Q8)  21 x 9 |
| Q3) There are 9 white beads and 11 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:  5, 8, 11, 14, …., …… |
| Q4)  What is 27% as a decimal? | Q10)  What is the Lowest Common Multiple of 4 and 7? |
| Q5)  What is the Highest Common Factor of 9 and 27? | Q11)  5a = 45, what does a equal? |
| Q6) Ratio  Split £30 into the ratio 2:1 | Q12) In a class of 30 students 3/5 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)  1532 + 873 | Q7)  492 – 267 |
| Q2)  198 9 | Q8)  12 x 15 |
| Q3)  What is bigger or | Q9)  What is 30% of £120? |
| Q4)  Round 34567 to 1 significant figures | Q10)  Round 12.8154 to 2 decimal place |
| Q5)  Write down all of the factors of 60  *(HINT: there are 12 factors)* | Q11) What is the perimeter of this shape?  23cm  7cm |
| Q6) What is the area of this shape?  6cm  5cm  8cm | Q12) What is the area of this circle in terms of ?  6cm |
| **Week 1** | **Lesson 4** |
| Q1)  391 + 632 | Q7)  1459 – 572 |
| Q2)  216 12 | Q8)  14 x 32 |
| 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, 2, 4, 8, 16, …., ….. |
| Q4)  What is 3/8 as a decimal? | Q10)  What is the Lowest Common Multiple of 6 and 9? |
| Q5)  What is the Highest Common Factor of 32 and 24? | Q11)  3b – 2 = 25, what does b equal? |
| Q6) Ratio  Split £42 into the ratio 4:3 | Q12) Order the following from smallest to largest  0.23, 1/4, 32%, 0.29, |