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 $\frac{1}{5}$ 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?9cm9cm12cm8cm |
| Q6) What is the area of this shape?14cm3.5cm3.5cm14cm | Q12) What is the circumference of this circle in terms of $π$?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) RatioSplit £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 $\frac{3}{8}$ or $\frac{6}{10}$ | 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?18cm32cm |
| Q6) What is the area of this shape?8cm7cm10cm | Q12) What is the area of this circle in terms of $π$?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) RatioSplit £75 into the ratio 2:3 | Q12) Order the following from smallest to largest 0.35, 1/4, 32%, 0.29, $\frac{8}{20}$  |