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 $\frac{1}{5}$ 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?7cm7cm10cm4cm |
| Q6) What is the area of this shape?9cm5cm5cm9cm | Q12) What is the circumference of this circle in terms of $π$?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) RatioSplit £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 $\frac{2}{5}$ or $\frac{3}{7}$ | 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?23cm7cm |
| Q6) What is the area of this shape?6cm5cm8cm | Q12) What is the area of this circle in terms of $π$?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) RatioSplit £42 into the ratio 4:3 | Q12) Order the following from smallest to largest 0.23, 1/4, 32%, 0.29, $\frac{3}{10}$  |