**Monday 13th June 2022 – Class 5 Homework – Alnwick Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q1.**

A theme park sells tickets online.

Each ticket costs £24

There is a £3 charge for buying tickets.

Which of these shows how to calculate the total cost, in pounds?

|  |  |
| --- | --- |
|   | Tick **one**. |
| number of tickets × 3 + 24 |  |
| number of tickets × 24 + 3 |  |
| number of tickets + 3 × 24 |  |
| number of tickets + 24 × 3 |  |

1 mark

**Q2.**

Dev says,



Which expression shows how much money Dev has left?

***a*** is the amount of money, in pounds, that Dev gave away.

|  |  |
| --- | --- |
|   | Tick **one**. |
| 10 + ***a*** |  |
| 10 ÷ ***a*** |  |
| ***a*** – 10 |  |
| 10 – ***a*** |  |
| ***a*** × 10 |  |

1 mark

**Q3.**

Here is a rule for the time it takes to cook a chicken.

|  |
| --- |
| **Cooking time = 20 minutes plus an extra**                                   **40 minutes for each kilogram** |

How many minutes will it take to cook a 3 kg chicken?



1 mark

What is the mass of a chicken that takes 100 minutes to cook?



1 mark

**Q4.**

Each shape stands for a number.



Work out the **value** of each shape.



1 mark



1 mark

**Q5.**

What is the value of 4*x* + 7 when *x* = 5?

1 mark

**Q6.**

**n** stands for a number.

n + 7 = 13

What is the value of  n + 10?