***Easter Maths Test***

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| ***Name :***  |
| ***DOB :*** | ***AGE:***  |

***Question 1***

(a) **Calculate** (a)  **Answer (a)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

 (b)  **Answer (b)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

 (c)  **Answer (c)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

(b)

|  |  |
| --- | --- |
| (i) Find the number that is **15** bigger than **32**.  | Answer:  (1) |
| (ii) Increase **56** by **11**.  | Answer: (1) |
| (iii) Decrease **250** by **135**  | Answer: (1) |
| (iv) Find a number that is **4 *times* *bigger*** than **15**  | Answer: (1) |

**Rough Work**

***Question 2***

(a) Calculate (i)  (ii)  (iii) 

 Answer (i) \_\_\_\_\_\_ Answer (b) \_\_\_\_\_\_\_ Answer (c) \_\_\_\_\_\_\_\_ (3)

(b)

1. Add and 
2. From  take
3. Double 

Answer (i)\_\_\_\_\_\_ Answer (ii)\_\_\_\_\_\_\_ Answer (iii) \_\_\_\_\_\_\_ (3) (c)\_\_\_\_\_\_\_\_

1. Look at the list of numbers given below



From the list choose:

|  |  |
| --- | --- |
| 1. An odd number
 | **Answer**: (1) |
| 1. A prime number
 | **Answer**: (1) |
| 1. A number that is 13 bigger than 12
 | **Answer**: (1) |
| 1. A number that is divisible by 7
 | **Answer**: (1) |

**Rough Work**

***Question 3***

The table below shows the temperature in three Irish Cities measured at noon on Christmas Eve.

|  |  |
| --- | --- |
| City | Temperature |
| Galway |  |
| Kilkenny |  |
| Dublin |  |

1. How many degrees cooler was it in Galway than Dublin?

**Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(1)

1. During the night, the temperature in Galway fell by . What was the night time temperature in Galway?

**Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(1)

1. That night, it was seven times as cold in Moscow as it was in Galway. What was the temperature in Moscow?

**Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(1)

**Rough Work**

***Question 4***

(i)Starting with the smallest, place the following fractions in order of size.



**Answer** (1)

|  |  |  |  |
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 (ii) A baker uses  of a bag of flour to make 6 muffins.

 How many bags of flour will he need to make 48 muffins?

**Answer** (1)

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|  |

 (iii)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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 Shade in **** of the rectangle shown above (1)

1. What fraction of the rectangle has not been shaded? **Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(1)
2. What percentage of the rectangle above has not been shaded? **Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(1)

***Question 5***

1. Mary drew some E shapes on squared paper. These are shown in the diagram below.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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1. Draw the next shape in the pattern. (1)
2. Complete the table to show the number of shaded squares in each pattern. (5)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Shape** | **E1** | **E2** | **E2** | **E4** | **E5** |
| Number of Squares |  |  |  |  |  |

1. How many shaded squares would there be in the 10th pattern?

 **Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(1)

1. Fill in the two missing numbers in the sequence \_\_, 5, 9, 13, 17, \_\_ (2)

(b) Describe in words how the fifth term in the sequence **4, 7, 11, 16**,……… is found?  **Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

 Find the sixth term in the sequence

 **Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

***Question 6***

(a) Calculate (i)  (ii)  (iii) 

**Answer** (i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Answer** (ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Answer** (iii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (3)

(b) Increase **25** by one fifth. **Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

(c) Chloe got an increase of one sixth in her pocket money. She now receives

 €14.00 per week. How much was her pocket money before the increase?

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| **Answer**  (1) |

**ROUGH WORK**

***Question 7***

The graph below shows the number of cars parked in a car park on each day of the week in a small town.

1. How many cars were parked in the car park on Friday?

**Answer** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

(b) On which day of the week were fewest cars parked in the car park?

 **Answer :**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

(c) Find the total number of cars parked in the car park during the week.

 **Answer** :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

1. If it costs € 5.00 to park a car in the car park. How much money is collected over the course of the week. **Answer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)
2. The government announces that car parking charges will be subject to VAT at 20%. How much will it now cost to park a car in the car park?

 **Answer**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

***Question 8***

The table below shows the way students in second year come to school.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Walk | Car | Total |
| Boys | 33 |  | 50 |
| Girls |  | 22 |  |
| Total | 60 |  |  |

(a)

1. How many girls walk to school ? **Answer** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)
2. How many girls are there in second year? **Answer** **Answer** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)
3. How many students come to school by car? **Answer** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

(b)

If a student is chosen at random, what is the probability that the student is:

* 1. A boy? **Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)
	2. A girl who walks to school? **Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)
	3. A boy or a girl who comes by car? **Answer**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)

**Rough Work**

***Question 9***

(a)

From the table below select the metric unit that would be most useful for measuring:

1. the capacity of a car’s petrol tank,
2. the weight of an elephant,
3. The distance from Dublin to Cork,
4. The length of a mouse’s tail,
5. the weight of a bag of sugar (5)

(b)

(i) Find the perimeter of this shape.



 **Answer** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2)

1. Find the area of the rectangle shown below.



 **Answer** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2)

(c)

(i) The two shapes shown have the same area, find the missing measurement

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 **Answer** \_\_\_\_\_\_\_\_\_\_\_ (2)



1. A circle is drawn on a square grid.

Each square on the grid has area 1 cm2. Estimate the area of the circle to the nearest cm2

**Answer** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2)

***Question 10***

1. Examine the diagram below (not to scale) and answer the questions, which follow.



* 1. **59o** is an acute angle. What type of angle is **251o**?  **Answer** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1)
	2. Mark reckons that **x** has a value of **80o**. Is Mark correct?

 **Explain your answer.**

|  |  |
| --- | --- |
| **Answer** | **Explanation** |
|  |  (1) |