St Mary's School
CAMBRIDGE

# Year 4 Maths

# Sample Test

## Time allowed: 45 minutes

**Name: _____**

**INSTRUCTIONS :**

- **Answer all questions**
- **Answers should be written in the spaces provided**
- **Dictionaries or reference materials are forbidden**

| Y4 KEY OBJECTIVES |
| --- |
| **Use symbols correctly, including less than(<), greater than (>), equals (=).** |
| **Round any positive integer less than 1000 to the nearest 10 or 100.** |
| **Recognise simple factions that are several parts of a whole, and mixed numbers; recognise the equivalence of simple fractions.** |
| **Use known number facts and place value to add or subtract mentally, including any pair of two-digit whole numbers.** |
| **Carry out column addition and subtraction of two integers less than 1000, and column addition of more than two such integers.** |
| **Know by heart facts for the 2, 3, 4, 5 and 10 multiplication tables.** |
| **Find remainders after division** |
| **Know and use the relationship between familiar units of mass and capacity.** |
| **Classify polygons, using criteria such as number of right angles, whether or not they are regular and symmetry properties.** |
| **Choose and use appropriate number operations and ways of calculating (mental, mental with jottings, pencil and paper) to solve problems.** |

| Other objectives assessed |
| --- |
| **Solve a problem by interpreting data in pictograms.** |

**Y 4** **Part 1**

**1. Put the correct sign, > or < in each box**

48 ☐ 81 92 ☐ 23 54 ☐ 45

2

**2. Round these distances to the nearest 100 miles**

660 miles → ☐ miles

375 miles → ☐ miles

650 miles → ☐ miles

542 miles → ☐ miles

2

**3. Complete the addition grid**

| + | 41 | 34 | 43 |
|---|---|---|---|
| 54 | | | 97 |
| 23 | | 57 | |
| | 76 | | |

2

**4. The table below shows how many people visited the Leisure Centre in one week.**

| TUES | WED | THURS | FRI | SAT | SUN |
|---|---|---|---|---|---|
| 164 | 189 | 168 | 210 | 345 | 334 |

a) **How many people went to the Centre at the weekend (Friday, Saturday and Sunday)?**

**people** **1**

b) **How many more people went on Sunday than on Thursday? (Show your working out, you may get a mark)**

**people** **2**

**5. Complete these multiplication grids**

| x | 0 | 10 | 5 |
|---|---|---|---|
| 6 | | | |
| 3 | | | |
| 10 | | | |

| x | 4 | | 3 |
|---|---|---|---|
| 10 | | 60 | |
| | 8 | | |
| | | 30 | |

**6**

**6. a) 5 children each bake a cake.**
**Each child needs 125g of sugar.**
**How many 1kg bags of sugar will be needed?**
(show your working, you may get a mark)

2

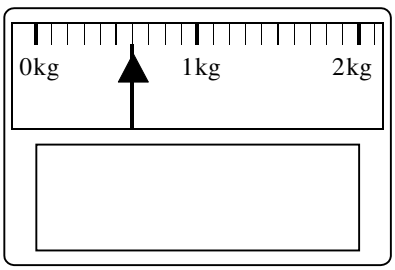
**b) If there is any sugar left over, how many more cakes would it be possible to bake?**
(show your working, you may get a mark)

cakes

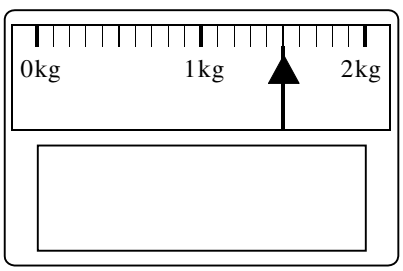
2

**7. Two objects are weighed. Write the mass of each object in the box on the scales.**

a)




b)




1

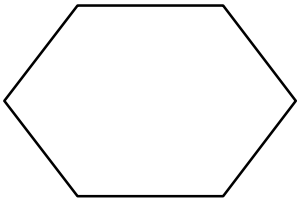
1

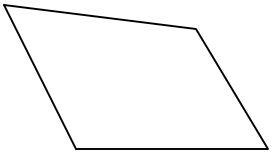
c) **What is the total mass in kilograms?**

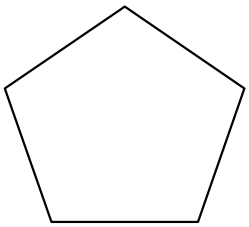
kg

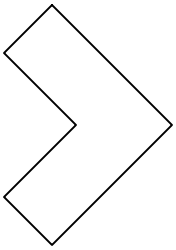
1

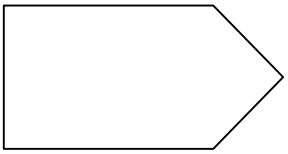
**8. Sort these shapes into groups by putting the letter of the shape into the correct box.**

A. 

B. 

C. 

D. 

E. 

F. 

| | regular | not regular |
|---|---|---|
| quadrilateral | | |
| not a quadrilateral | | |

**Y4** **PART 2**

**1.**

**7615** **2931** **1613** **2349**

**Use these numbers to write 4 true statements**

| | | |
|---|---|---|
| | < | |
| | < | |
| | > | |
| | > | |

2

**2. Round these numbers to the nearest 10 and then to the nearest 100**

| | | |
|---|---|---|
| **265** | **70** | **100** |
| **57** | **590** | **500** |
| **629** | **60** | **600** |
| **73** | **270** | **700** |
| **585** | **630** | **300** |

2

**3. Complete the table**

| Fraction | Decimal Fraction |
|---|---|
| ¼ | |
| | **0.5** |
| | **0.8** |
| $\frac{2}{10}$ | |

2

**4. Find 2 numbers in the grid that total 100 exactly and write them in a number sentence.**

☐ + ☐ = 100

| | | | |
|---|---|---|---|
| 16 | 43 | 59 | 41 |
| 25 | 2 | 32 | 11 |
| 82 | 34 | 57 | 73 |
| 9 | 64 | 48 | 30 |

1

**5. Complete these multiplication grids.**

| X | 6 | 5 | |
|---|---|---|---|
| | | 10 | 6 |
| | | 15 | |
| 5 | | | |

| x | 4 | 6 | |
|---|---|---|---|
| | 40 | | |
| | 12 | | 24 |
| | | 36 | |

6

**6. Change this pancake recipe for 8 people to a recipe for 2 people.**

| Recipe for 8 people |
|---|
| 840g flour |
| 1 litre milk |
| 8 eggs |

| Recipe for 2 people |
|---|
| g flour |
| ml milk |
| eggs |

2

**7. What is the winning LOTTERY number?**

- **It is less than 40**
- **Divides exactly by 4**

**The units digit is 3 more than the tens digit.**

1

**8. In a sale Mum bought 5 T-shirts for £11.**
**How much was one T-shirt?**
***(Show your working, you may get a mark.)***



**£**

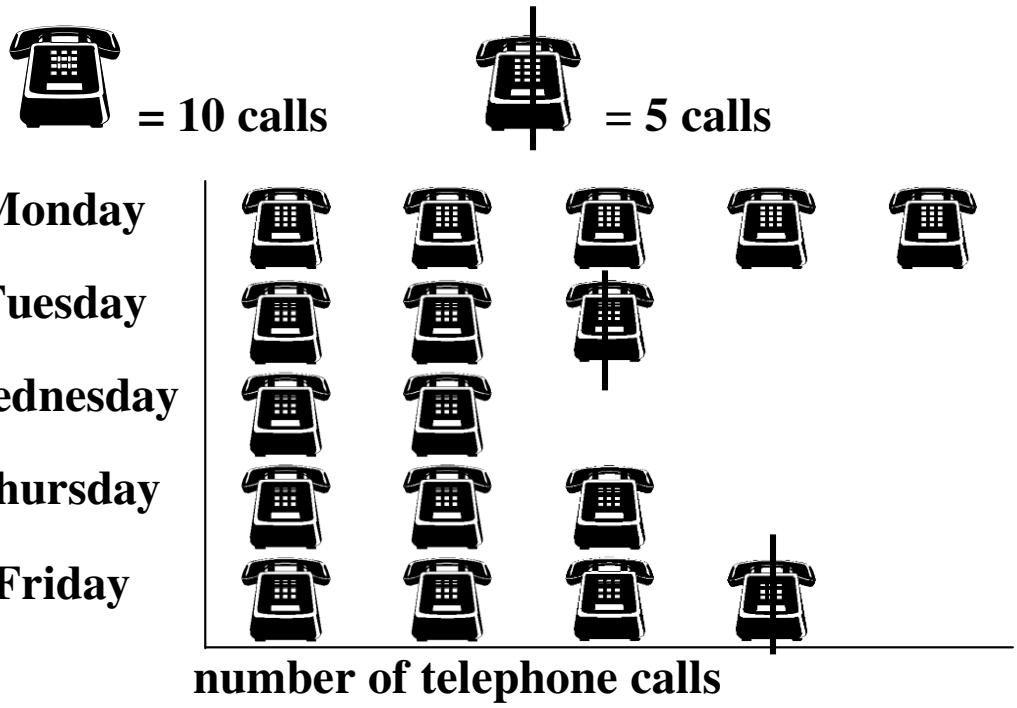
2

**9. A variety bag of snacks containing 10 packets costs £2.80. How much would one packet cost?**
**(*show your working, you may get a mark)***

2

**10. Answer these questions about the pictogram.**

**Telephone calls to school**




a) **On which day does the school get most calls?**

| | **How many?** | |
|---|---|---|

b) **On which day does the school get least calls?**

| | **How many?** | |
|---|---|---|

c) **How many calls were received altogether during the week?**

| |
|---|

d) **How many more calls were received on Monday than on Friday?**

| |
|---|