



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 fractions 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.

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

$48 \square 81$

$92 \square 23$

$54 \square 45$

2

2. Round these distances to the nearest 100 miles

660 miles \longrightarrow miles

375 miles \longrightarrow miles

650 miles \longrightarrow miles

542 miles \longrightarrow 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

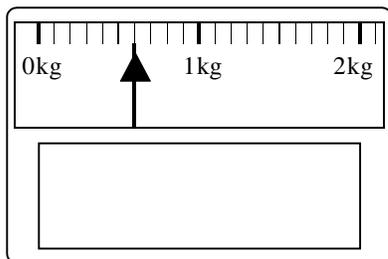
b) If there is any sugar left over, how many more cakes would it be possible to bake?
(show your working, you may get a mark)

cakes

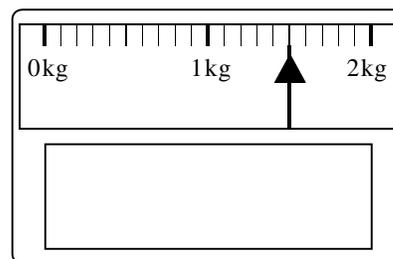
2

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

a)



b)



1

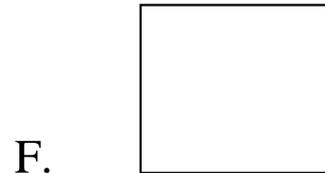
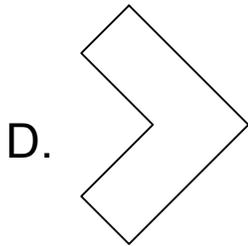
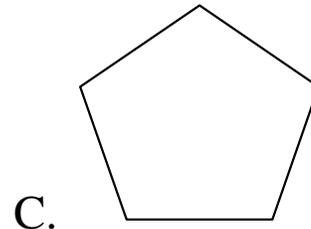
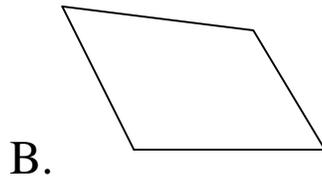
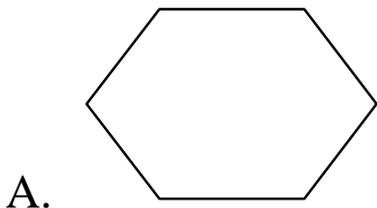
1

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.



	regular	not regular
quadrilateral		
not a quadrilateral		

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
$\frac{1}{4}$	
	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.

$$\square + \square = 100$$

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.

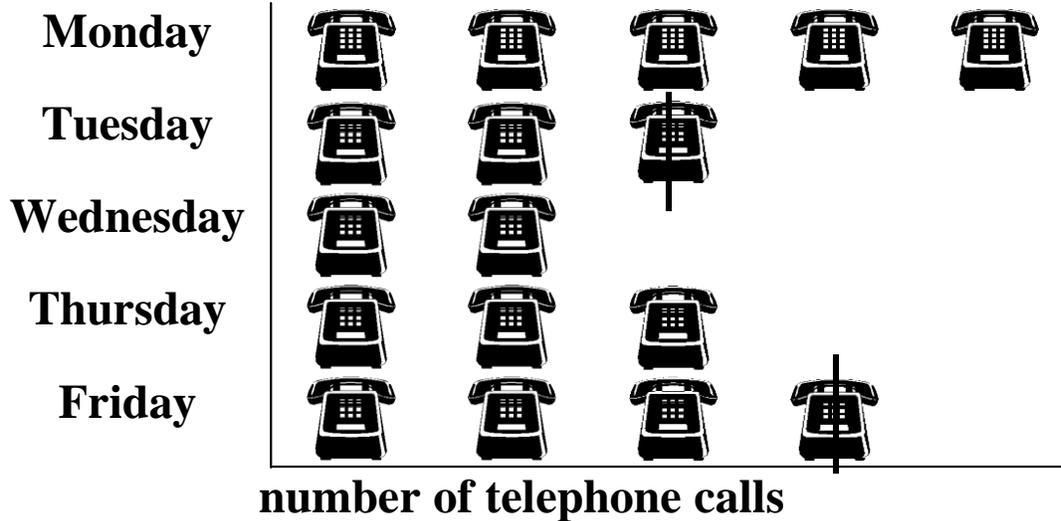
Telephone calls to school



= 10 calls



= 5 calls



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?