St Mary's School
CAMBRIDGE

Year 3 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**

Y3 KEY OBJECTIVES

Read, write and order whole numbers to at least 1000; know what each digit represents.
Count on or back in tens or hundreds from any two- or three – digit number.
Recognise unit fractions such as ½, 1/3, 1/4, 1/5, 1/10 , and use them to find fractions of shapes and numbers.
Know by heart all addition and subtraction facts for each number to 20.
Add and subtract mentally a 'near multiple of 10' to or from a two-digit number.
Know by heart facts for the 2 , 5 and 10 multiplication tables.
Understand division and recognise that division is the inverse of multiplication.
Use units of time and know the relationships between them (second, minute, hour, day, week, month, year).
Understand and use £.p notation.
Choose and use appropriate operations (including multiplication and division) to solve word problems, explaining methods and reasoning.
Identify right angles.
Identify lines of symmetry in simple shapes and recognise shapes with no lines of symmetry.
Solve a given problem by organising and interpreting numerical data in simple lists, tables and graphs.

Other Objectives
Properties of numbers and number sequences
Addition
Halves and doubles
Rounding
Mass

1. Write the next ODD number after these:

26 ☐   35 ☐

27 ☐

(1)

2. Complete the chain by adding.

4 →(+20) ☐ →(+10) ☐ →(+20) ☐
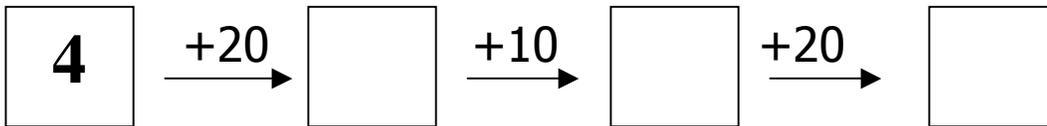
(1)

3. Put a circle round the weight you think is the most sensible.

100g

1 kg

10kg

YOGHURT

(1)

4. Write the number one hundred and seventeen in figures. ☐

(1)

5. Write a digit in the boxes below to complete the number sentences.

5 + ☐ = 13   16 - 11 = ☐

☐ + 9 = 17   ☐ + 17 = 20

(2)

6. Put these numbers in order, smallest first.

106   **255**   **133**

228   **178**

smallest
☐ ☐ ☐ ☐ ☐

(1)

7. Write the missing numbers.

16 half → ☐ half → ☐ half → ☐

(1)

8. What is the total mass of these potatoes?

☐ kg
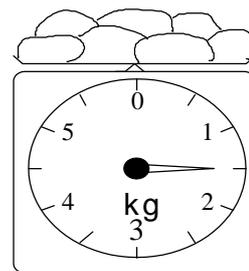
(1)

9. Round each number to its nearest 10.
Draw arrows.

To the nearest 10 is

79   50

74   60

53   70

61   80

70
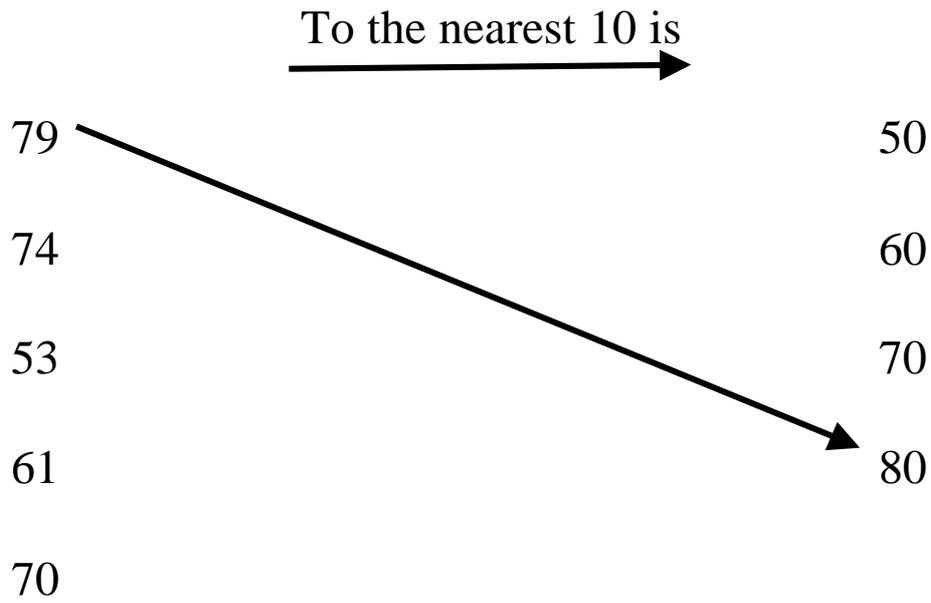
(2)

10. Complete this multiplication grid.

x	2	5	10	3
2				
4				
6				
8				

(2)

11. What unit would you use to weigh each item?
Write   kg or g.

Scissors

Bag of potatoes

Television
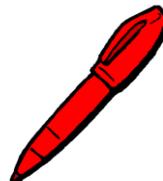
pen

(1)

12. Kate bought a toy with a £5 note. She was given these coins in her change.

£1   £1   5p   2p   2p
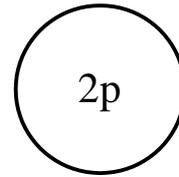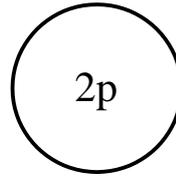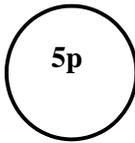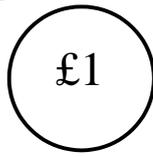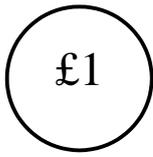
How much money does she now have?   £ _____ (1)

£ _____

How much was the toy?   (1)

13. Rita went into the doctors at 10.15 and came out at 10.40. How long was she in there?

_____ (1)

14. Complete this shape so that the 'dotted line' is a mirror line.
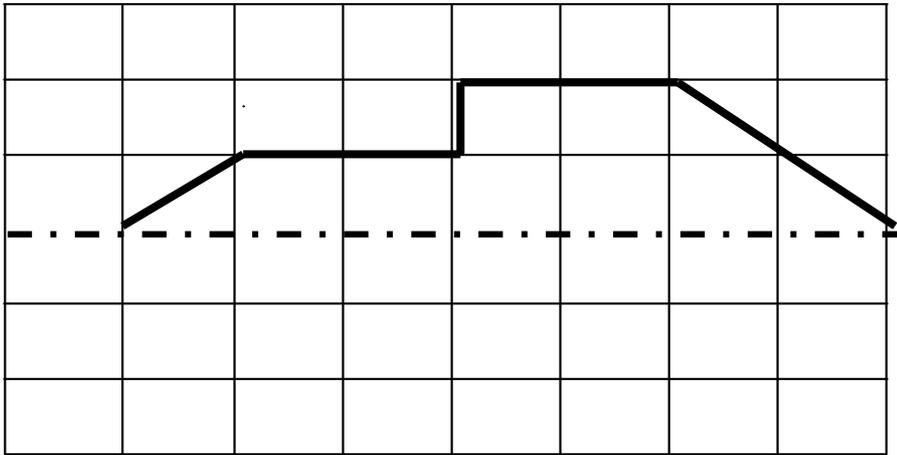
(1)

15. Tick the shapes which are symmetrical.

A.

B.

C.

D.

E.
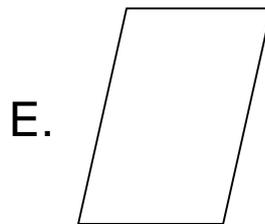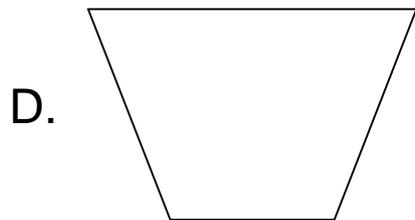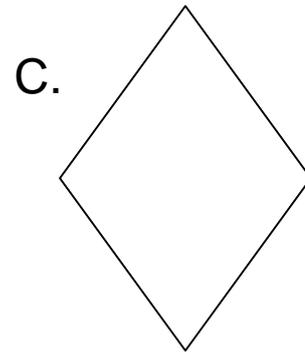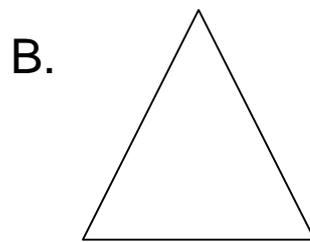
(2)

1.   Write the missing numbers.

50	45	40				

(1)

2.   Jane cut a ribbon into two pieces,
      7cm and 13cm.

a)How long was the ribbon before she cut it?   [cm]   (1)

b)What is the difference in their lengths?   [cm]   (1)

3.   How many children liked:

a)grapes? [ ]   (1)

b) apples? [ ]   (1)

Number	Fruits we like

Fruit

grapes   apples   oranges   bananas

4. Continue this number sequence.

| 166 | 176 | 186 | | | |

(1)

5. Draw a ring round the numbers which are multiples of 10.

540   400   304   170

26   185   20   501

(1)

6. Write the missing numbers going in and coming out of the number machine.

+19

IN

OUT
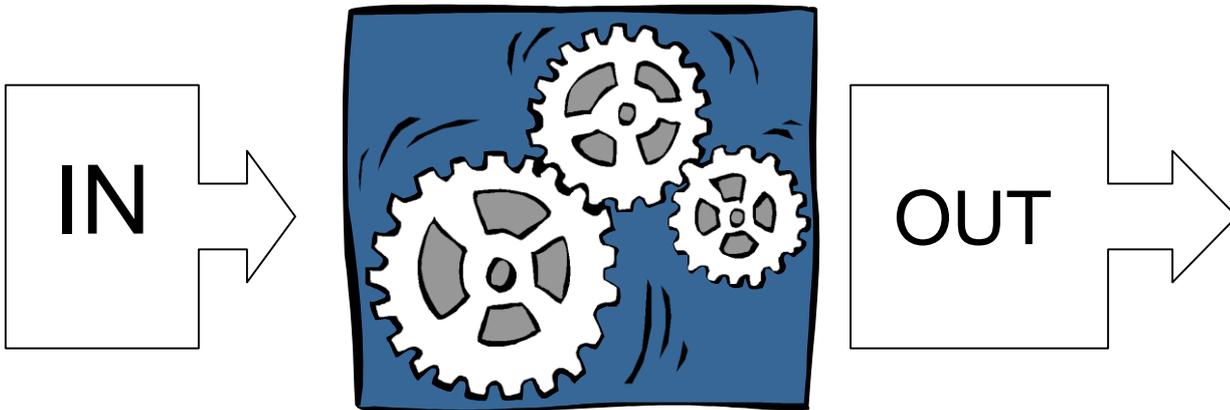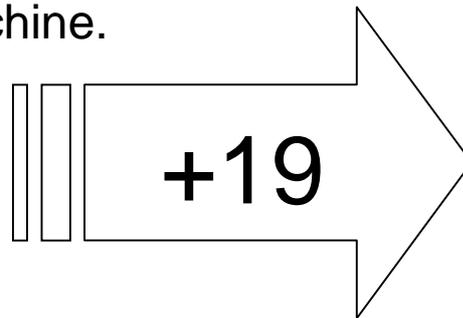
IN	26	33			17
OUT			52	46	

(2)

7. Colour matching fractions of each shape.

a) half
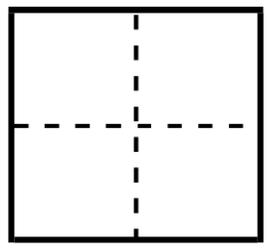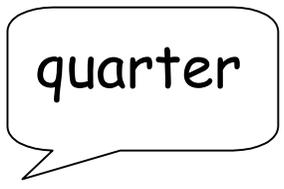
b) quarter
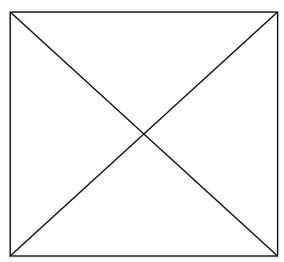
(2)

8. Write a fraction to match the shaded part of each shape.

a)

b)
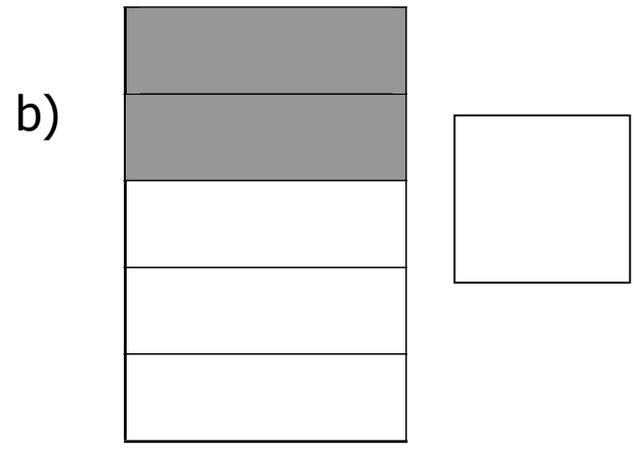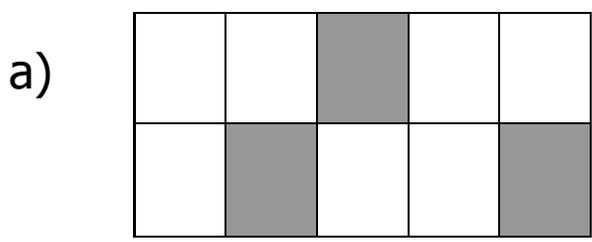
(1)

9. Complete this multiplication grid.

x	3	5	7	9
5				
10				
2				

(2)

10. Use all these 3 digits to make the largest 3-digit number.

(1)

11. Look at this bar chart and answer the questions.

Fruit children like

Number of children
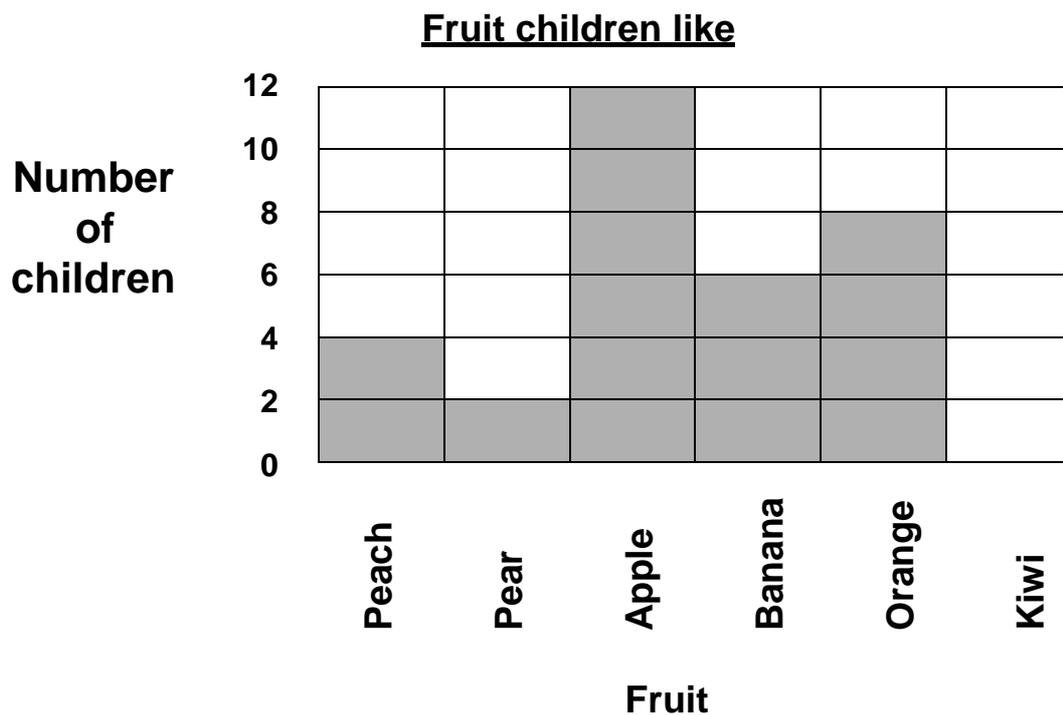
1. Which is the favourite fruit?

(1)

2. How many children like oranges?

(1)

3. Which fruit do six children like?

(1)

12. a) Jennifer bought four pens at 60p each. What change did she get from £5?

(1)

b) What coins might she get in her change?

(1)