

Sacred Heart College  
Junior School  
Annual Sample Paper

Year 4

Mathematics  
Written Paper

Time: 1hr 45mins

Total Mark: \_\_\_\_\_ /80

Name: \_\_\_\_\_

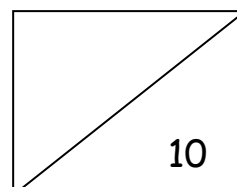
Register Number: \_\_\_\_\_

1. Fill in:

(2 marks each)

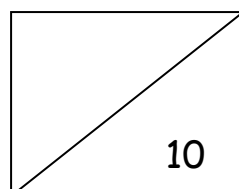
|    |                                                                                                                                                                            |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a. | $68 + 5 =$ <input type="text"/>                                                                                                                                            |
| b. | $104 -$ <input type="text"/> $= 95$                                                                                                                                        |
| c. | <input type="text"/> $\times 7 = 56$                                                                                                                                       |
| d. | $19 \div$ <input type="text"/> $= 6 \text{ r } 1$                                                                                                                          |
| e. | <p>✓ the box if the calculation is <b>correct</b>, or put an <b>X</b> if the calculation is <b>incorrect</b>.</p> <p><math>120 + 130 = 260</math> <input type="text"/></p> |

PLEASE TURN OVER



|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| f. | How many <b>tens</b> are there in 9740?<br>(i) 4 tens <input type="checkbox"/> (ii) 40 tens <input type="checkbox"/> Tick the correct answer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| g. | <b>Tick the even numbers:</b><br>(i) 13 <input type="checkbox"/> (ii) 12 <input type="checkbox"/><br>(iii) 63 <input type="checkbox"/> (iv) 108 <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| h. | Write an <b>odd</b> number <b>between</b> these two numbers shown<br><br>347      _____      353                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| i. | <b>Write the fractions below from <b>smallest</b> to <b>largest</b>.</b><br><div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin: 2px;"><math>\frac{1}{2}</math></div> <div style="border: 1px solid black; padding: 5px; margin: 2px;"><math>\frac{2}{2}</math></div> <div style="border: 1px solid black; padding: 5px; margin: 2px;"><math>\frac{1}{4}</math></div> <div style="border: 1px solid black; padding: 5px; margin: 2px;"><math>\frac{3}{4}</math></div> </div><br><div style="display: flex; justify-content: space-between;"> <span>_____</span> <span>_____</span> <span>_____</span> <span>_____</span> </div> <div style="display: flex; justify-content: space-between;"> <span>smallest</span> <span>largest</span> </div> |
| j. | €7.04 = _____c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**PLEASE TURN OVER**



2. Look carefully at the numbers below.

(4 marks)

|    |    |    |    |    |
|----|----|----|----|----|
| 75 | 69 | 65 | 63 | 67 |
|----|----|----|----|----|

a) Which of the numbers above give 70 when rounded to the nearest 10?

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

b) Work out the **difference** between the **largest** and the **smallest** number, from the **results** of question (a).

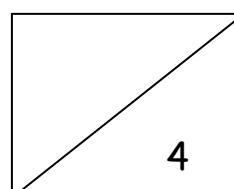
Working



The difference is

|  |
|--|
|  |
|--|

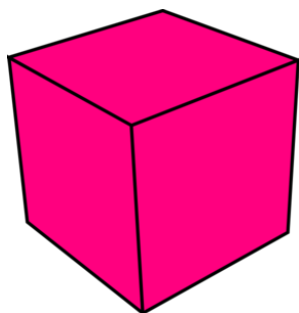
PLEASE TURN OVER



3. a) Write the number of **faces** and **vertices**.

(4 marks)

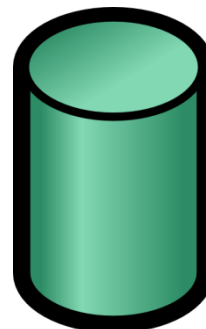
(i)



Cube



Sphere

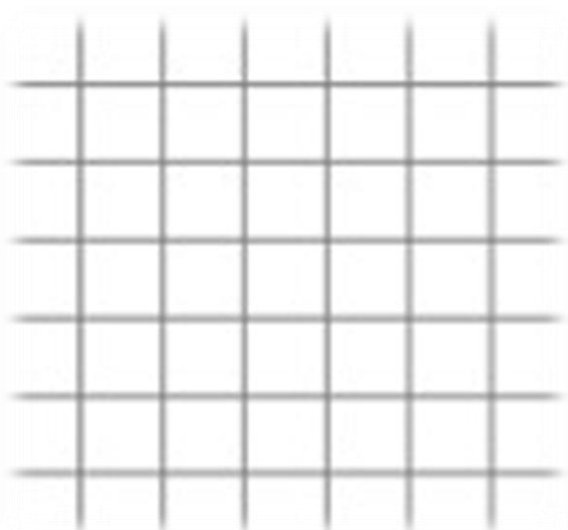


Cylinder

|           |           |           |
|-----------|-----------|-----------|
| _____     | _____     | _____     |
| face/s    | face/s    | face/s    |
| _____     | _____     | _____     |
| vertice/s | vertice/s | vertice/s |

(ii) Using a ruler, draw the following 2-D shape.

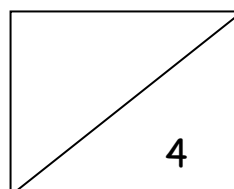
Complete the information about the **properties** of the shape.



an octagon

|  |                    |
|--|--------------------|
|  | sides              |
|  | line/s of symmetry |

PLEASE TURN OVER



4. Which of the following are **correct**?

(4 marks)

a) Tick the **correct ones** only. *The first one has been done for you.*

$\frac{1}{2}$  of 10 = 5

$\frac{1}{2}$  of 90 = 45

$\frac{1}{2}$  of 100 = 10

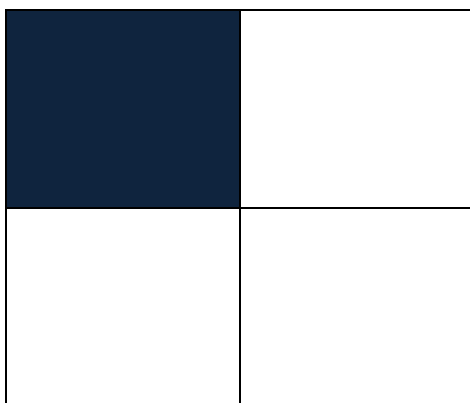
$\frac{1}{2}$  of 16 = 8

$\frac{1}{2}$  of 18 = 4

5. What **fraction** is shaded?

(4 marks)

(i)



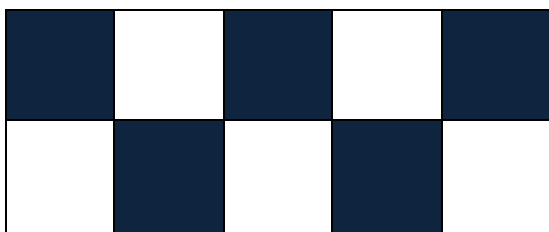
Tick the correct answer

$\frac{1}{2}$

$\frac{1}{4}$

$\frac{1}{8}$

(ii)



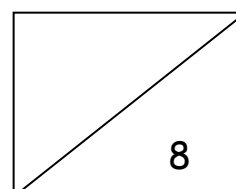
Tick the correct answer

$\frac{1}{2}$

$\frac{1}{4}$

$\frac{1}{8}$

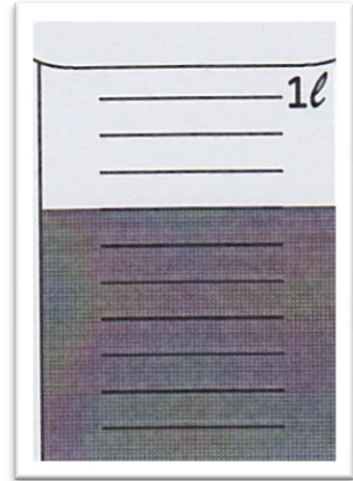
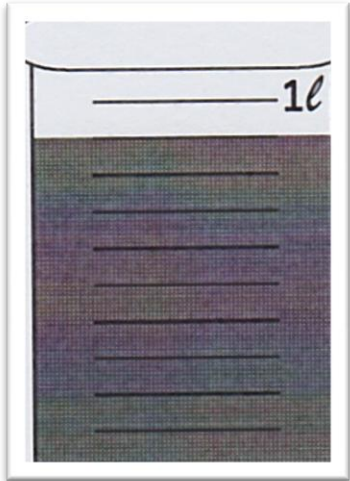
**PLEASE TURN OVER**



6.

This container has  
900 *ml* of water.

George pours out  
some water in a cup.



a) How much water does George **pour out**?

(2 marks)

\_\_\_\_\_ *ml*

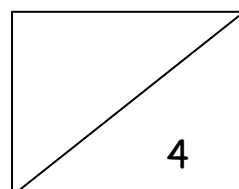
b) At the end of the day, there is only **100 *ml***  
**left** in the container.

**Draw an arrow** → to show this.

(2 marks)



**PLEASE TURN OVER**



7. Circle the **measure** which is the **nearest**.

(1 mark each)

*Note: the first one has been done for you.*

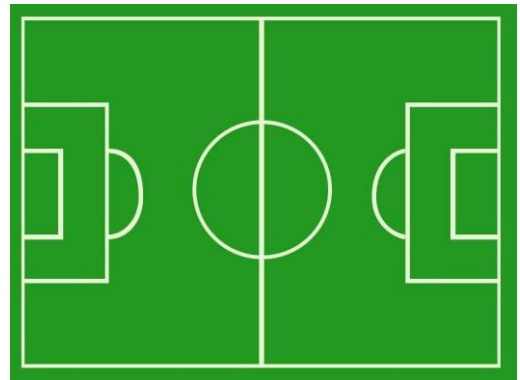
a) The gymnast's height

|       |        |    |
|-------|--------|----|
| 50 cm | 1.65 m | 6m |
|-------|--------|----|



b) The length of a football ground

|        |        |       |
|--------|--------|-------|
| 150 mm | 155 cm | 105 m |
|--------|--------|-------|



c) The length of the Eiffel Tower

|        |        |       |
|--------|--------|-------|
| 100 km | 150 cm | 301 m |
|--------|--------|-------|



d) The length of a training shoe of an 8 year old boy

|       |       |      |
|-------|-------|------|
| 20 mm | 20 cm | 20 m |
|-------|-------|------|

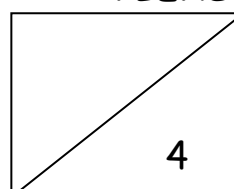


e) The length of a laptop

|       |       |      |
|-------|-------|------|
| 30 mm | 30 cm | 50 m |
|-------|-------|------|



**PLEASE TURN OVER**



8. The times on the analogue clocks below show when Kate **starts** and **finishes** building a model ship.

**Start time**

**Finish time**



|               |               |
|---------------|---------------|
| _____ : _____ | _____ : _____ |
|---------------|---------------|

- a) Write the **digital time** each clock shows. (2 marks)
- b) How long does **Kate** take to build her model ship? (2 marks)

Give your answers in minutes.

Minutes

\_\_\_\_\_

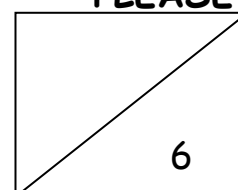
- c) Kate's favourite documentary **SET SAIL** starts at quarter to 4.

Write quarter to 4 in digital time. (2 marks)

\_\_\_\_\_ : \_\_\_\_\_



**PLEASE TURN OVER**





9 (A) Work out the **vertical additions** below.

(2 marks)

(i)

$$\begin{array}{r} 325 \\ 236 \\ + 127 \\ \hline \\ \hline \end{array}$$

(ii)

$$\begin{array}{r} 124 \\ 232 \\ + 448 \\ \hline \\ \hline \end{array}$$

(B) Make a **total** of 100.

(4 marks)

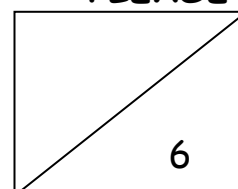
(i) Write 2 **even numbers** that total 100.

$$\square + \square = \underline{\underline{100}}$$

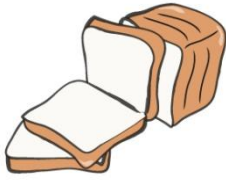
(ii) Write 2 **odd numbers** that total 100.

$$\square + \square = \underline{\underline{100}}$$

PLEASE TURN OVER



10 (A)



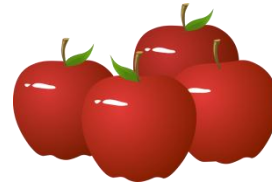
**Bread**

**€0.95**



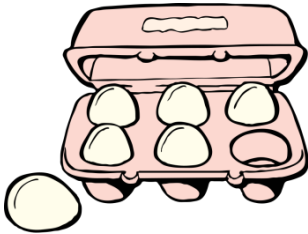
**milk**

**€0.60**



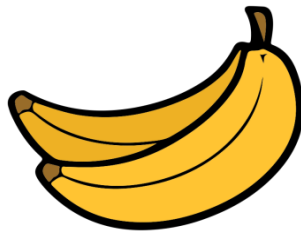
**apples**

**€1.92**



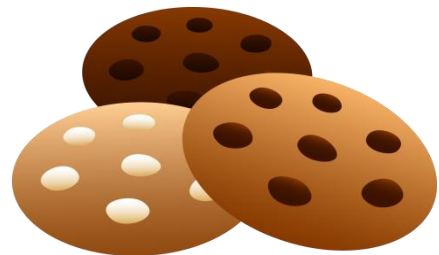
**Eggs**

**€1.75**



**bananas**

**€1.80**



**cookies**

**€1.05**

a) Roberta has a €5 note. After buying two different items she has €2.25 left.

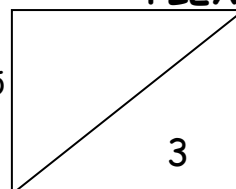
What does she buy? Tick the items she buys.

(3 marks)

|       |                          |         |                          |         |                          |
|-------|--------------------------|---------|--------------------------|---------|--------------------------|
| bread | <input type="checkbox"/> | milk    | <input type="checkbox"/> | apples  | <input type="checkbox"/> |
| eggs  | <input type="checkbox"/> | bananas | <input type="checkbox"/> | cookies | <input type="checkbox"/> |

Working

**PLEASE TURN OVER**



(B) Find out the **cost** of these two items **after** the shopkeeper put them on **SALE**. (3 marks)

(i) Example



|                |              |
|----------------|--------------|
| Original price | €4.45        |
| Discount       | €2.10        |
| New price      | <b>€2.35</b> |

(ii)



|                |        |
|----------------|--------|
| Original price | €10.80 |
| Discount       | €4.10  |
| New price      |        |

(iii)



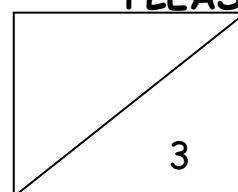
|                |       |
|----------------|-------|
| Original price | €6.70 |
| Discount       | €0.30 |
| New price      |       |

(iv)



|                |        |
|----------------|--------|
| Original price | €20.00 |
| Discount       | €15.00 |
| New price      |        |

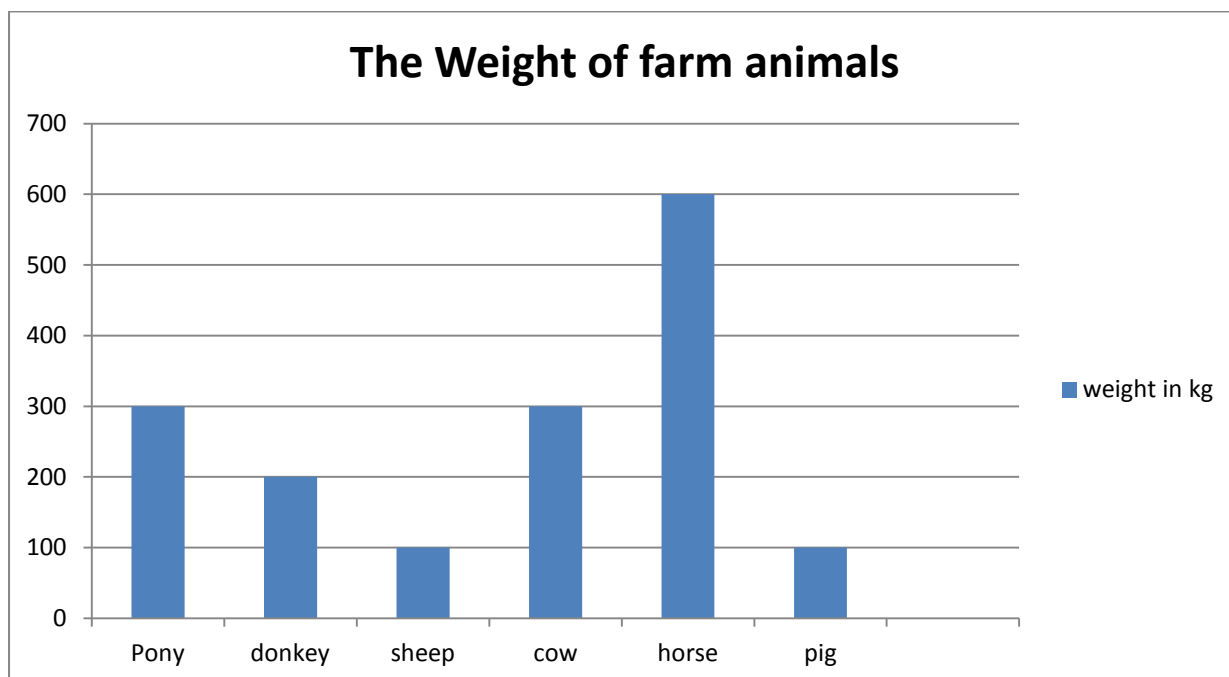
**PLEASE TURN OVER**





11. The chart below shows the weight of the animals on Three Hills Farm.

(6 marks)



a) Which is the **heaviest** animal on Three Hills Farm? \_\_\_\_\_

b) On this farm, the pig is \_\_\_\_\_ kg **lighter** than the cow.

Bettina takes care of the animals on Three Hills Farm.

She weighs **15kg less** than the **sheep**.

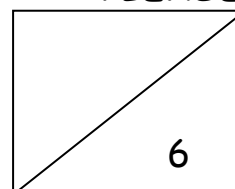


c) What is the **total weight** of **Bettina** and **ALL** the farm animals on Three Hills Farm?

Working

\_\_\_\_\_ kg

**PLEASE TURN OVER**



## 12. Problems

(6 marks)

- a) Catherine buys **1.5 m** of ribbon.  
She uses **85 cm** of it to wrap a gift.  
How much ribbon is **left**?

Working



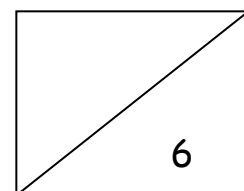
\_\_\_\_\_ cm

- b) Lizzie measured her dog's tail when he was still a puppy. It was 24cm long.  
On his first birthday, she measured his tail. The new measurement was 60cm long. How long did it grow?

Working



\_\_\_\_\_ cm



**PLEASE TURN OVER**

13. More Problems

(6 marks)

a) Alex is meeting her friends at the cinema at 8:30pm.

It takes 35 minutes to get there.

When should she leave her house?

Working



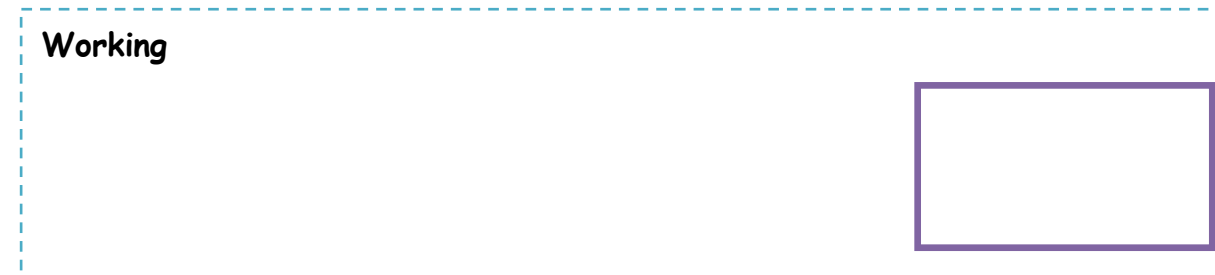
b) A group of 34 people are going on a plane.

$\frac{1}{4}$  are children.

How many are grown-ups?

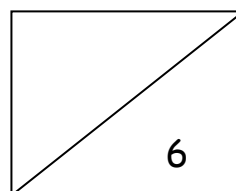


Working



**END OF PAPER**

| Marks' Scheme | Nos. | 1a - j | $10 \times 2 =$ | 20 |
|---------------|------|--------|-----------------|----|
|               |      | 2 - 7  | $6 \times 4 =$  | 24 |
|               |      | 8 - 13 | $6 \times 6 =$  | 36 |
|               |      |        | <b>TOTAL</b>    | 80 |



**PLEASE TURN OVER**