



THERESA NUZZO SCHOOL MARSA
ANNUAL EXAMINATIONS 2018-2019
MATHEMATICS
Grade 5

Name: _____ **Register No** _____

Class _____

Mental Paper Time: 20 minutes

Mark

Written Paper Time 1hour 30 minutes

Mark

Total Mark

1	
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2	lines
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3	
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4	
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5	days
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6	
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7	
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8	
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9	
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10	
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11

12

13 SW SE

14 0

15

16 cm

17

18

19 € .

20 cartons

1 a - j	$10 \times 2 = 20$
2 - 7	$6 \times 4 = 24$
8 - 13	$6 \times 6 = 36$
TOTAL 80	

1. Fill in:

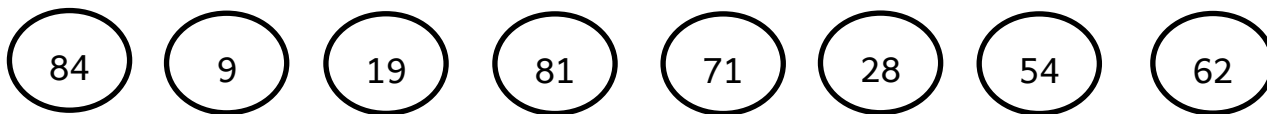
a	i) $56 + \boxed{} = 100$	ii) $7.9 + \boxed{} = 10$
b	i) $72 \div 9 = \boxed{}$	ii) $2.8 \times 100 = \boxed{}$
c	i) $7 \times \boxed{} = 140$	ii) $2400 \div \boxed{} = 240$
d	i) Write the digit which is in the hundreds place in 5 123? <input style="width: 50px; height: 25px;" type="text"/>	
	ii) What is the value of 9 in 43.19? <input style="width: 100px; height: 25px;" type="text"/>	
e	Write a possible missing digit. (i) $8\ 760 > 8\ \underline{}\ 60$ (ii) $71\ \underline{}\ 8 < 7143$	
f	Complete the sequences: <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> i) 1, 4, 16, 25, <input style="width: 50px; height: 25px;" type="text"/> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> ii) 63, 70, 77, <input style="width: 50px; height: 25px;" type="text"/> </div>	

9	<p>Complete:</p> <p>i) 160 minutes = <input type="text"/> hours <input type="text"/> minutes</p> <p>ii) 3 minutes 15 seconds = <input type="text"/> seconds</p>																
h	<p>Circle the numbers that give 700 when rounded to the nearest 100.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: auto;"> <p style="margin: 0;">756 706</p> <p style="margin: 0;"> 687 649</p> </div>																
i	<p>Write these lengths in order, starting with the shortest.</p> <p>i) <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td>5km</td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td>5 m</td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td>5mm</td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td>5cm</td></tr></table></p> <p style="margin-left: 40px;"><table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 40px; height: 40px;"></td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 40px; height: 40px;"></td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 40px; height: 40px;"></td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 40px; height: 40px;"></td></tr></table></p> <p style="margin-left: 40px;">shortest longest</p> <p>ii) <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td>2.13 m</td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td>21m</td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td>21.3m</td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td>2.3 m</td></tr></table></p> <p style="margin-left: 40px;"><table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 40px; height: 40px;"></td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 40px; height: 40px;"></td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 40px; height: 40px;"></td></tr></table> <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 40px; height: 40px;"></td></tr></table></p> <p style="margin-left: 40px;">shortest longest</p>	5km	5 m	5mm	5cm					2.13 m	21m	21.3m	2.3 m				
5km																	
5 m																	
5mm																	
5cm																	
2.13 m																	
21m																	
21.3m																	
2.3 m																	
j	<p>i) Change the improper fraction into a mixed number</p> $\frac{26}{3} = \text{[]}$ <p>ii) Change the Mixed number into an improper fraction</p> $7 \frac{2}{3} = \text{[]}$																

(20 marks)

2. Below is a Carroll diagram.

Put these numbers in the Carroll diagram.



	Even	Odd
multiples of 3		
Not a multiple of 3		

(4 marks)

3a. Use all the number cards to complete the addition



$$\square\square + \square\square = 80$$

b. Now complete the following multiplication using all the number cards:

$$\square \times \square = \square\square$$

(4 marks)

4. Jane has **20 cubes**.
 She makes **towers of 3 cubes**.
 She makes **6 towers**.



____ cubes

a. How many **cubes** has she **left**?

b. How many **more cubes** does she need to make **14 towers**?

_____ cubes

_____(4 marks)

5. Look at the number cards

9	6	5	4
---	---	---	---

a. Use **all number cards** make the **largest possible even** number:

--	--	--	--

b. Use **all number cards** make the **smallest possible multiple of 5**:

--	--	--	--

c. Use **a number card** to make a **factor of 12 and 36**:

--

d. Use only **two cards** to make a **number** which is **multiple of 8**:

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_____(4 marks)

6a.



A bag contains $2\frac{1}{2}$ kg of flour.

Another bag contains $1\frac{3}{4}$ kg more flour than the first bag.

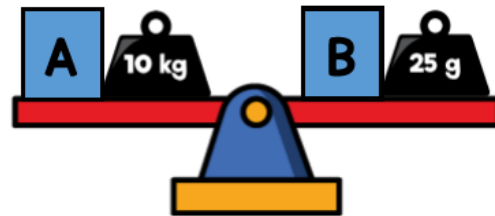
How much flour is there in the second bag?

_____ kg

b. Here are some scales.

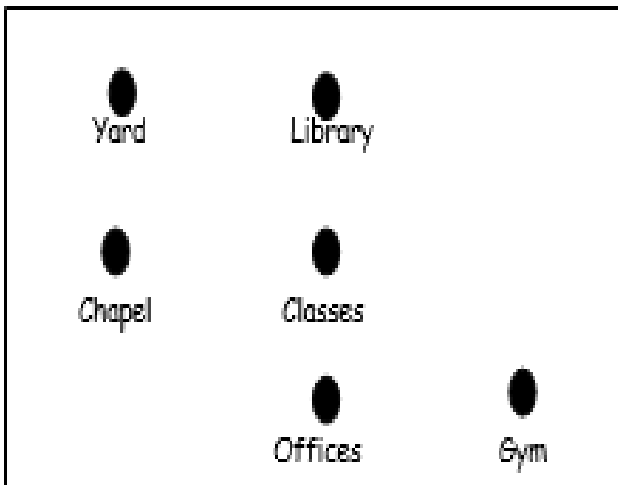
Which is the heavier box, A or B ?

Explain your answer.

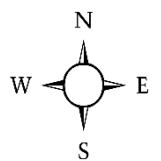


(4marks)

7. This is the plan of a school. Fill in



a. The chapel is _____ of the library.



b. The _____ is N of the classes.

c. The offices are SE of the _____.

d. The angle turned from NE to S in anticlockwise direction is _____°.

(4 marks)

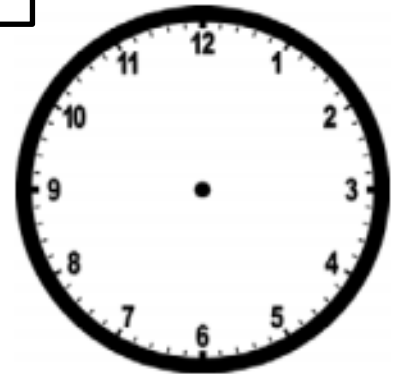
8. Here is John's timetable for Saturday.

- 7.30 am Get up
- 8.00 am Go to Grandma's
- 10.00 am Go to supermarket
- 11.45 am Watch cartoons
- 12.30 pm Eat lunch
- 1.00 pm Have a nap
- 3.00 pm Read a book
- 4.00 pm Practise piano
- 5.15 pm Go for a walk
- 5.00 pm Go to friend's house
- 8.30 pm Go to bed



a. At what time does he wake up?

b. Show this time on the clock.



c. How long does he spend watching cartoons?

d. How long does John stay awake?

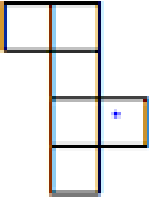
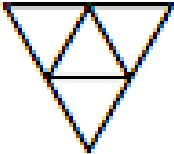
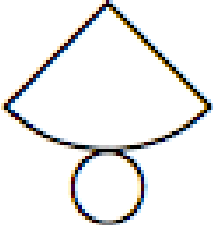
e. He plans to sleep for $8 \frac{3}{4}$ hr. At what time will he wake up the following day?

(6 marks)

9. For each net of solid shape give the its name

number of edges,
number of faces and
number of vertices.

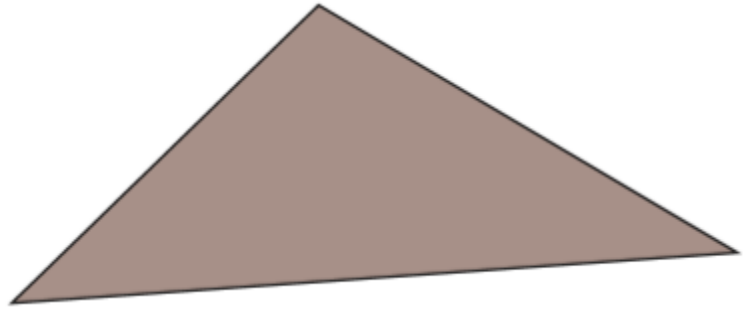


Net of solid	Name of solid	Number of faces	Number of edges	Number of vertices
				
				
				

(6 marks)

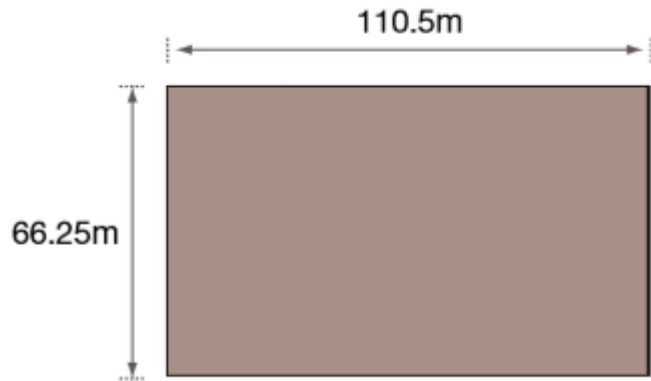
10a. Use a ruler to **measure** the **length** of the **longest side**. Give your **answer** in

i) **cm.** ii) **mm**

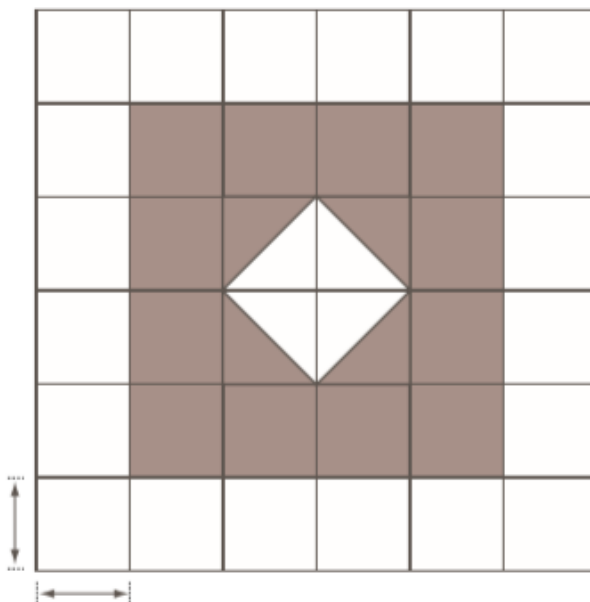


b. A football pitch measures **110.5m** by **66.25m**.

Find the **perimeter** of the pitch.



c. Below is a **1cm grid**. What is the **area** of the **shaded shape**?



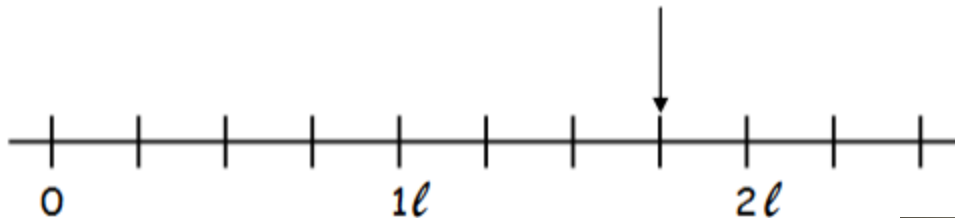
(6 marks)

11a. A bottle holds 2ℓ of water. James fills **3 glasses** with water from the bottle. **Each glass** is filled with 300ml of water. How much water is **left** in the bottle?



ml

b. The **arrow** on the **scale** shows the amount of water Mary drinks **every day**.



How much water, in **litres** does Mary drink in **5 days**?



ℓ

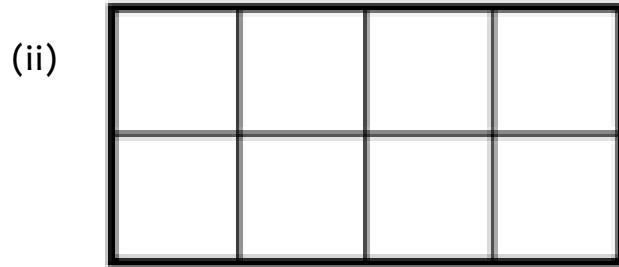
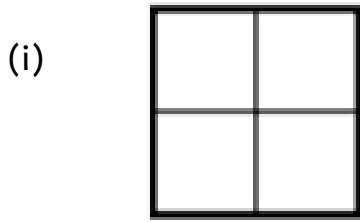
c. This jug holds $1\frac{1}{2}\ell$ orange juice. How many 200ml **full cups** of orange juice can be filled from the jug?



cups

(6 marks)

12a. Shade $\frac{3}{4}$ of the shape below:



b. Jessica has a plastic folder with **85 stickers**.

$\frac{3}{5}$ of the stickers are **animal stickers**.

How many **animal stickers** does Jessica have?



©2014

animal stickers

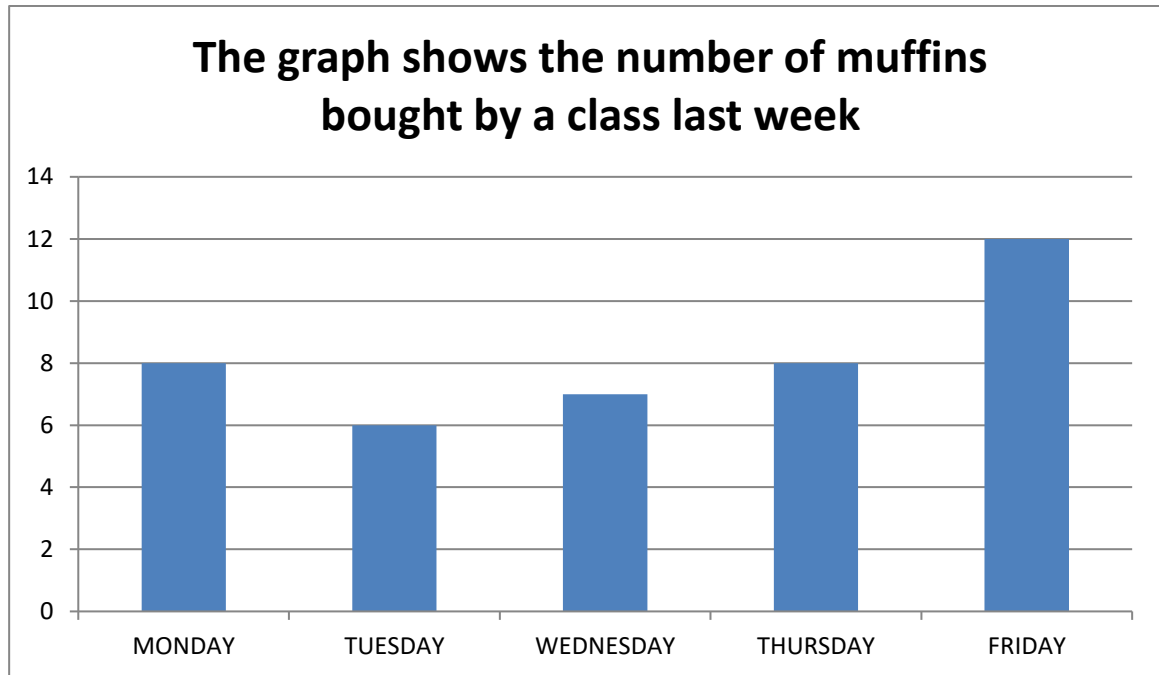
c. Each packet of stickers costs **€1.25**.

What is the **change** from **€10** if she buys **5 packets**?

€

(6 marks)

13.



- a. On _____ the class bought the **least number** of muffins.
- b. How many muffins did the class buy last **Wednesday**? _____
- c. On **Friday** the class bought **twice as much** as it did on _____.
- d. The class bought a **total** of _____ muffins during **last week**.
- e. Each muffin costs **75c**. How **much money** did the class **spent** on muffins during this week?

€ _____

(6 marks)