

**Teacher's Paper**

**Guidelines for the conduct of the Mathematics Examination – Mental Paper**

1. Words written in **bold** should be **emphasised**.
2. Read, **loudly and clearly, each question twice in succession**, and then allow 5, to 10, to 20 seconds as the test progresses through the three sections.
3. Access to rough paper for working out answers is **not allowed**. However, any working on the answer sheet will not be penalised.
4. The questions should be read out in **English** and **no code-switching/mixing is allowed**. Code-switching is permitted **only** for giving pupils instructions.
5. Before starting the test, read out the following instructions, **using exactly these words**:
  - *I will read out each question twice. Listen carefully both times. You will then have time to work your answer.*  
*Se naqralk kull mistoqsija darbtejn wara xulxin. Ismagħni sew. Wara jkollok il-ħin biex twegibha.*
  - *If you make a mistake, cross out the wrong answer and write the correct answer next to it.*  
*Jekk tieħu żball f'xi risposta, aqtagħha u ikteb ir-risposta t-tajba hdejha.*
  - *You will not be allowed to ask any questions once the test has started.*  
*Ma tistax tistaqsi mistoqsijiet hekk kif jibda t-test.*
6. At the end of the test, read out the following instructions, **using exactly these words**:
  - *The test is finished; put down your pens.*  
*It-test spicċa; poggi l-bajrow fuq il-mejda.*

**MENTAL PAPER**

*‘For this group of questions, you have 5 seconds to work out each answer and write it down.’*

*‘Għal dawn il-mistoqsijiet li ġejjin, għandek 5 sekondi biex tahseb u tiktib kull risposta.’*

<b>1</b>	<b>Today is ...</b> <b>Tick the correct answer.</b>
<b>2</b>	How many <b>days</b> are there in a <b>week</b> ?
<b>3</b>	Write the <b>next number</b> : <b>sixty seven, sixty eight, sixty nine, ...</b>
<b>4</b>	How many <b>grams</b> are there in <b>three kilograms</b> ?
<b>5</b>	What is <b>two times five</b> ?

*‘For the next group of questions, you have 10 seconds to work out each answer and write it down.’*

*‘Għal dawn il-mistoqsijiet li ġejjin, għandek 10 sekondi biex tahseb u tikteb kull risposta.’*

<b>6</b>	What is the <b>total</b> of <b>twelve</b> , <b>eight</b> and <b>seven</b> ?
<b>7</b>	What is <b>eleven less than thirty nine</b> ?
<b>8</b>	How many <b>lots of four</b> make <b>twenty</b> ?
<b>9</b>	What is <b>double ten</b> ?
<b>10</b>	What is <b>hundred subtract eighty five</b> ?
<b>11</b>	What is the <b>total</b> of <b>eighty</b> and <b>eighty one</b> ?
<b>12</b>	<b>Round three hundred and fifty two to the nearest hundred.</b>
<b>13</b>	How many <b>five euro cent</b> coins do I need to make <b>one euro</b> ?
<b>14</b>	What is the <b>difference</b> between <b>one hundred and two</b> and <b>twenty five</b> ?
<b>15</b>	What is <b>ten less than two hundred and seven</b> ?

*'For this group of questions, you have 20 seconds to work out each answer and write it down.'*

*'Għal dawn il-mistoqsijiet li ġejjin, għandek 20 sekonda biex taħseb u tikteb kull risposta.'*

<b>16</b>	<b>Add six to twenty three and subtract three.</b>
<b>17</b>	<b>Half of a number is nine.</b> What is the <b>number</b> ?
<b>18</b>	Which is the <b>smallest</b> : <b>One whole, one half or one quarter?</b>
<b>19</b>	Kim's favourite cartoons programme <b>starts at quarter past nine.</b> It is <b>thirty minutes long.</b> <b>At what time</b> does it <b>end</b> ?
<b>20</b>	I face <b>south.</b> Then I <b>turn one right angle clockwise.</b> Which <b>direction</b> am I facing now?

**END OF MENTAL PAPER**

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**YEAR 4**

**MATHEMATICS MENTAL PAPER**

**TIME: 15 minutes**

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

**Class:** \_\_\_\_\_

### **Instructions to Candidates**

- The teacher will read each question twice. Listen carefully to the teacher both times. You will then have time to work your answer.
- If you make a mistake, cross out the wrong answer and write the correct answer next to it.
- You will not be allowed to ask any questions once the test has started.
- This paper carries a total of 20 marks.

**MENTAL PAPER  
ANSWER SHEET**

1.	Monday <input type="checkbox"/>	Tuesday <input type="checkbox"/>
	Wednesday <input type="checkbox"/>	
	Thursday <input type="checkbox"/>	Friday <input type="checkbox"/>

2.		days
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3.	
----	--

4.		g
----	--	---

5.	
----	--

6.	
----	--

7.	
----	--

8.	
----	--

9.	
----	--

10.

11.

12.

13.

**coins**

14.

15.

16.

17.

18.

19.

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

20.

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION  
 Department for Curriculum Management and eLearning  
 Educational Assessment Unit

Annual Examinations for Primary Schools 2013

YEAR 4

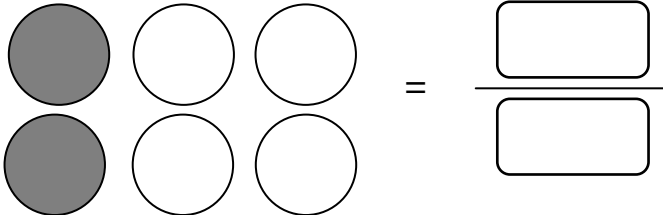
MATHEMATICS  
 WRITTEN PAPER

TIME: 1h 15min

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

Class: \_\_\_\_\_

1. Fill in:

a)	$12 + 14 =$ <input type="text"/>
b)	Double 6 = <input type="text"/>
c)	<input type="text"/> $\times 3 = 27$
d)	$32 \div 4 =$ <input type="text"/>
e)	$\text{€}7.04 =$ <input type="text"/> c
f)	$503 -$ <input type="text"/> $= 496$
g)	125, <input type="text"/> , 175, 200, <input type="text"/> , 250
h)	1 hour 20 minutes = <input type="text"/> minutes
i)	<p>What <b>fraction</b> of the group of counters is <b>shaded</b>?</p> 
j)	<p>Write an <b>even number</b> between the two numbers shown.</p> <p>215 <input type="text"/> 218</p>



2. **Tick (✓)** the calculations that are correct.

a)  $182 + 23 = 250$

b)  $300 - 46 = 254$

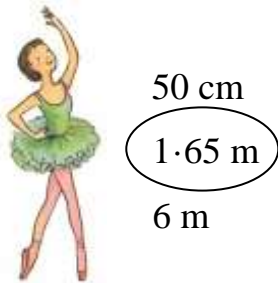
c)  $4 \times 10 = 400$

d)  $18 \div 4 = 4 \text{ r } 2$

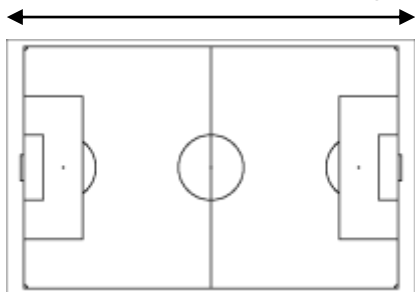
3. **Circle the measure** which is **nearest**.

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

a) The ballerina's **height**



b) The **length** of a football ground



c) The **capacity** of a bottle of water



5 ml

500 ml

50 l

d) The **weight** of a basketball



600 g

6 kg

60 kg

e) The **length** of a training shoe of an 8 year old



20 mm

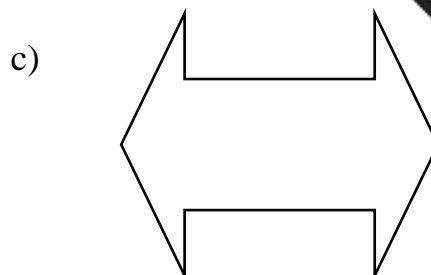
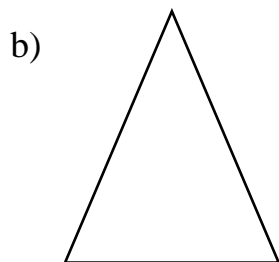
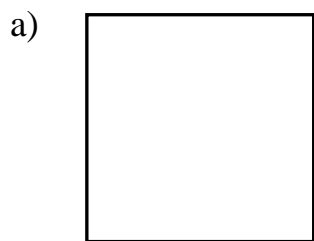
20 cm

20 m

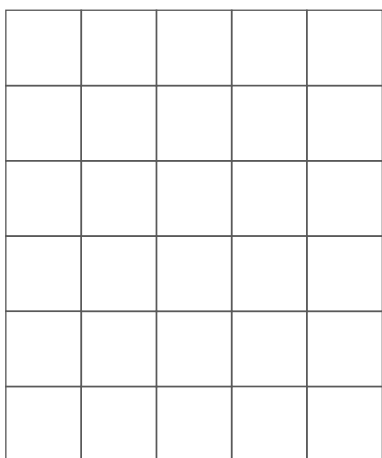
Name: \_\_\_\_\_

Class: \_\_\_\_\_

4. Draw all the lines of symmetry on these shapes.



d) Use your ruler to draw a pentagon.



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5. Make 3 digit numbers.

*Use all the cards in each question.*

a) 

0
---

2
---

7
---

 $\xrightarrow{\text{the largest number}}$ 

--

b) 

1
---

2
---

5
---

 $\xrightarrow{\text{an even number}}$ 

--

c) 

2
---

5
---

9
---

 $\xrightarrow{10 \text{ less than } 305}$ 

--

d) 

3
---

4
---

6
---

 $\xrightarrow{\text{is } 400 \text{ when rounded to the nearest } 100}$ 

--

6. Andrew goes shopping.

a) **Each banana** weighs **120 g**.

What is the **total weight** of **5 bananas**?



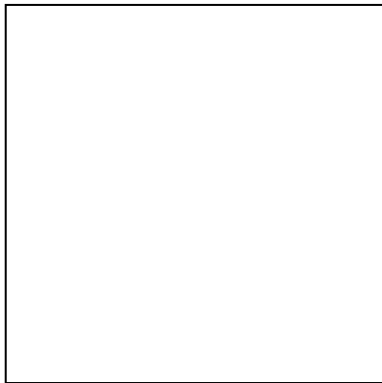
\_\_\_\_\_ g

b) The **total weight** of the bag is **2 kg**.  
 On the way Andrew **eats a banana**.  
 What is the **weight of the bag now**?

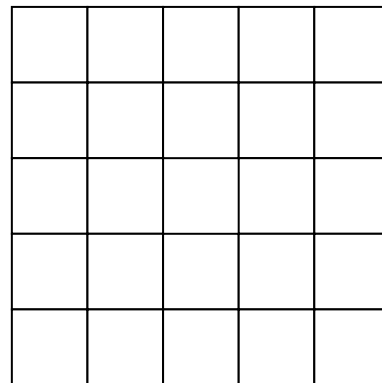


\_\_\_\_\_ g

7. a) Shade  $\frac{1}{4}$  of this shape.



b) Shade  $\frac{2}{5}$  of this shape.



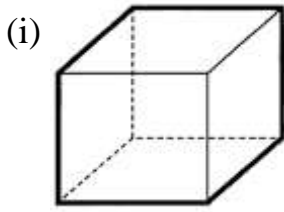
c) **Fill in** to make **equivalent fractions**.

$$\frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} = \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}}$$

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

Class: \_\_\_\_\_

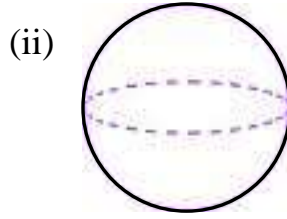
8. a) Write the number of faces and vertices.



**cube**

faces

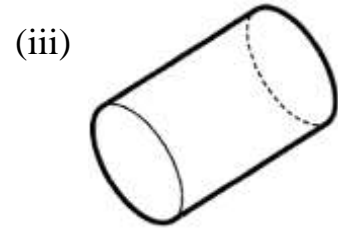
vertices



**sphere**

faces

vertices



**cylinder**

faces

vertices

b) Match the shapes with their properties.

*The first one has been done for you.*

hexagon

cube

square

cone

2 faces  
1 vertex

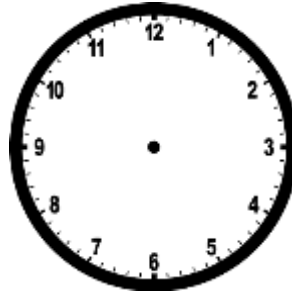
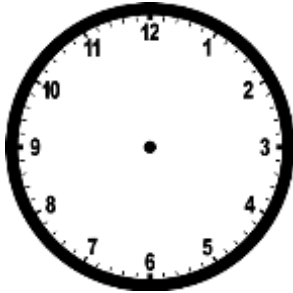
4 right angles  
4 lines of symmetry

2-d (flat) shape  
6 sides

6 square faces  
12 edges

9. Martina has one swimming lesson every week.

- a) (i) The lesson starts at 5:10. (ii) The lesson ends at **ten minutes to** 8.  
 Draw this time on the clock. Draw this time on the clock.



(iii) **How long** is the swimming lesson?

\_\_\_\_\_ minutes

b) Swimming lessons take place **every Monday**.

JUNE 2013						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

In **June 2013** Martina has \_\_\_\_\_ swimming lessons.

10. James has €40.

He buys **2 T Shirts** and a **pair of shorts**.



**T Shirt**  
for  
**€13·90**



**a pair of shorts**  
for  
**€7·50**

a) How much money does James **spend**?

€

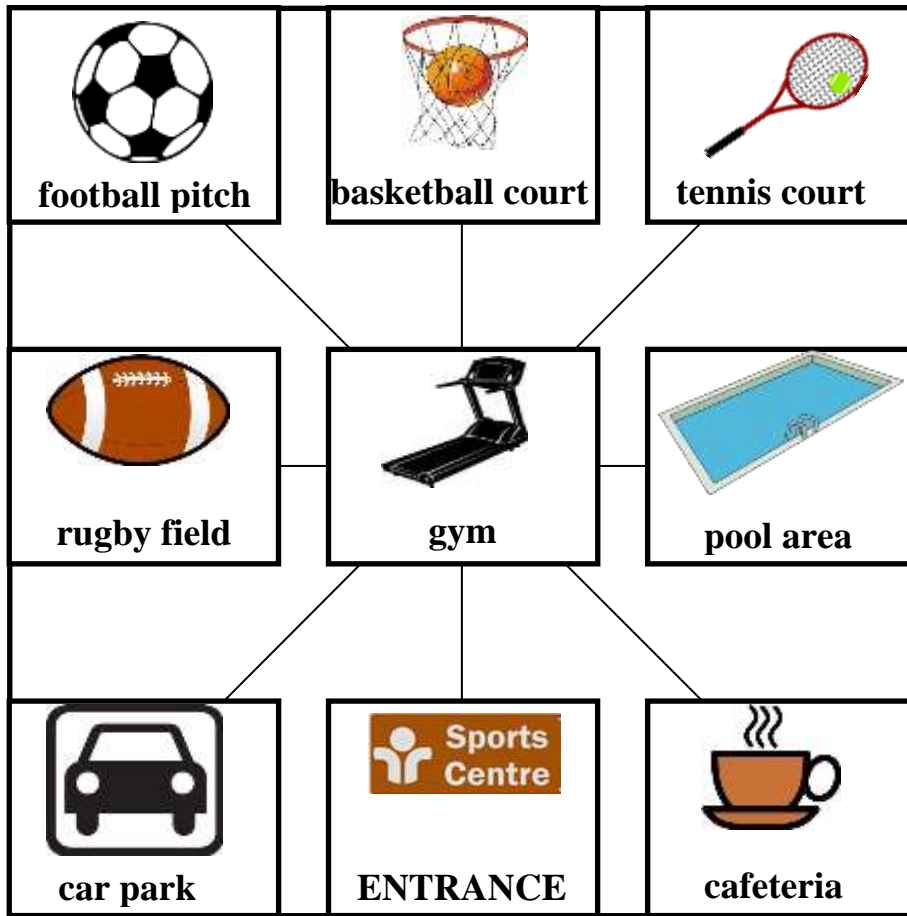
b) How much money does he **have left**?

€

c) How much **more money** does James need to get **another pair of shorts**?

€

11.



a) You are at the Entrance of Sports Centre.

Write down **what you see** if you look:

(i) North  (ii) East

b) You are at the gym facing North.

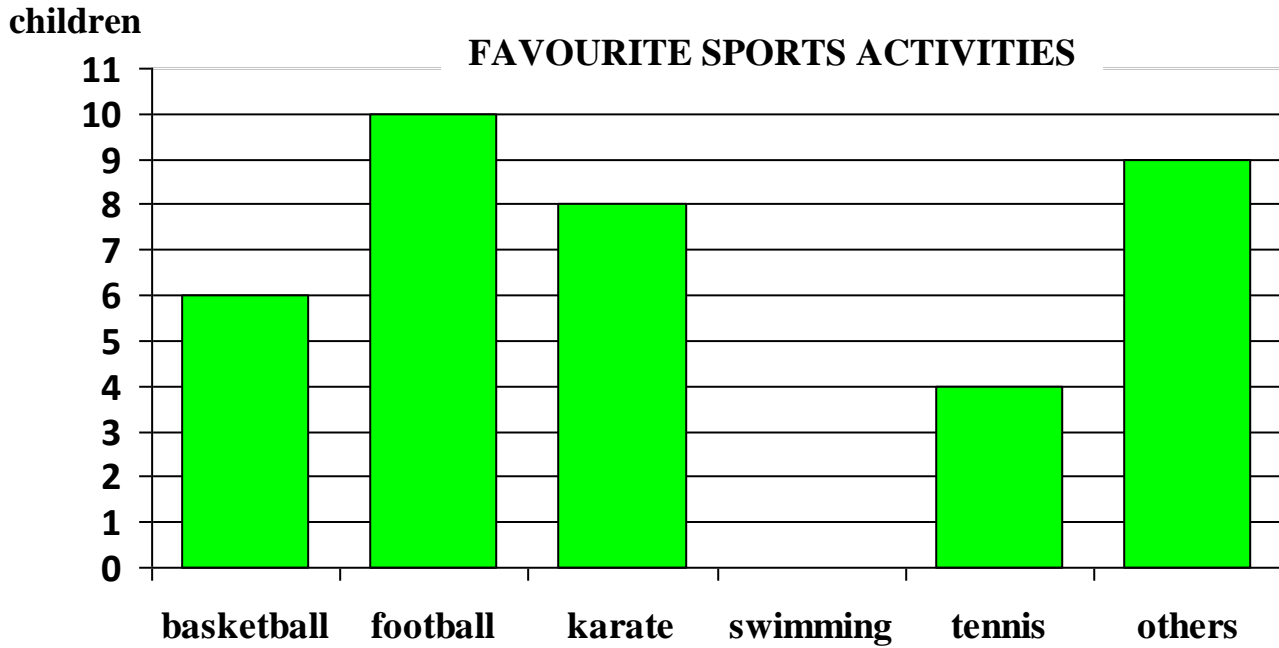
**What** are you going to face if you turn:

(i) 1 right angle **clockwise**?   
 (ii) 1 right angle **anticlockwise**?

c) Use **Compass Points** to complete these sentences:

(i) The **rugby field** is  of the **pool area**.  
 (ii) The **pool area** is  of the **tennis court**.

12. All Year 4 students at Sunshine School are asked to choose their **most** sport.



From the bar graph above:

a) How many students like **football**?

\_\_\_\_\_ students

b) How many **more** students prefer **karate** to **tennis**?

\_\_\_\_\_ students

c) There are **45** Year 4 students at Sunshine School in all.

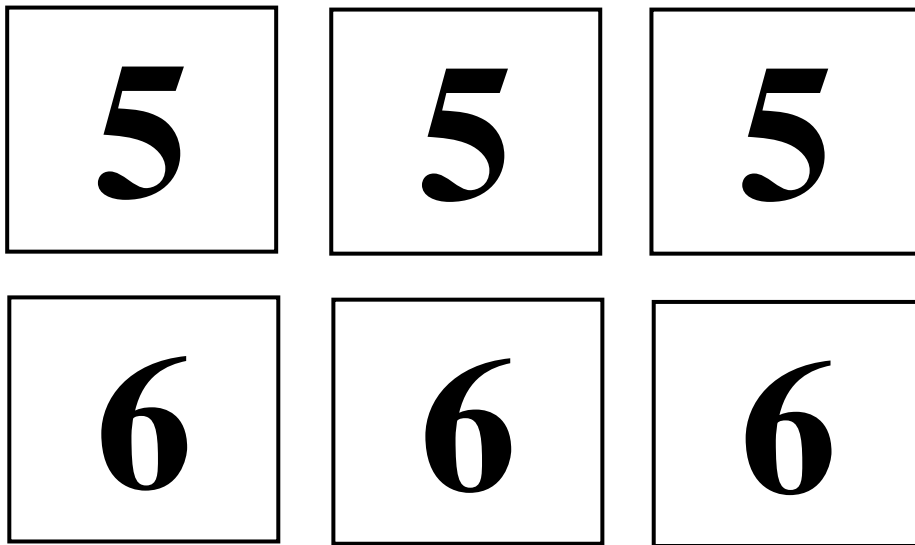
(i) How many students like **swimming**?

\_\_\_\_\_ students

(ii) **Complete the bar graph.**



13. Here are some number cards.



Use **five of the number cards** to make this correct:

$$\begin{array}{|c|c|c|} \hline & & \\ \hline \end{array} - \begin{array}{|c|c|} \hline & \\ \hline \end{array} = 589$$

Show your working.

END OF PAPER

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