DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION
Directorate for Curriculum Managment and eLearning
Educational Assessment Unit

Annual Examinations for Primary Schools 2013

YEAR 5	**MATHEMATICS MENTAL PAPER**	**TIME**: 15 minutes

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 naqralek kull mistoqsija darbtejn wara xulxin. Ismagħni sew. Wara jkollok il-ħin biex tweġibha.

   • *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 ħdejha.

   • *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 spiċċa; poġġi 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 taħseb u tikteb kull risposta.'

1	Write the number **two thousand, three hundred and sixty seven** in **figures**.
2	How many **lines of symmetry** does a **rectangle** have?
3	Which of these numbers is **even**: **twenty one**, **twenty seven** or **thirty**?
4	**Tick** the **name** of the **sixth month** of the **year**.
5	Write the **next number** in the sequence: **seventy eight, eighty eight, ninety eight**…

'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 taħseb u tikteb kull risposta.'

6	Work out the **total** of **twelve, eight** and **seven**.
7	How many **lots of six** in **twenty four**?
8	What is **double thirty five**?
9	What is **nineteen less than seventy four**?
10	Round **six thousand and seventy five** to the **nearest hundred**.
11	Work is the **perimeter** of a **square** of sides **six centimetres each**?
12	How many **quarters** in **two wholes**?
13	I turn **two hundred and seventy degrees**. How many **right angles** is that?
14	How many **centimetres** in **ten metres**?
15	What is the **next multiple of ten after fifty eight**?

'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.'

16	What is **thirty two multiplied by four**?
17	I think of a number. I **multiply** it **by ten** and the answer is **three hundred fifty six**. What is the number?
18	Aaron buys a book for **nine euro seventy five cent**. What **change** does he get from **twenty euro**?
19	I am an **even number** between **fifty** and **sixty**. I am also a **multiple of three**. Which number am I?
20	**One hundred and five stickers** are shared by **five friends**. How many **stickers** does **each of the friends** get?

END OF MENTAL PAPER

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

Annual Examinations for Primary Schools 2013

YEAR 5	**MATHEMATICS MENTAL PAPER**	**Time: 15 minutes**

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.

2.   **lines**

3.

4.   **May**   ☐

    June   ☐

    July   ☐

5.

6.

7.

8.

9.

10.

11.	**cm**

12.	**quarters**

13.	**right angles**

14.	**cm**

15.	

16.	

17.	

18.	€ _____ • _____

19.	

20.	**stickers**

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

Annual Examinations for Primary Schools 2013

YEAR 5	MATHEMATICS WRITTEN PAPER	TIME: 1h 15 min

Name: _____ **Class:** _____

1. **Fill in:**

a)	36 + 29 = ☐
b)	100 − 26 = ☐
c)	68 ÷ 4 = ☐
d)	7 × 42 = (7 × ☐) + (7 × ☐)
e)	What is the **value** of **3** in 2**3**,174? ☐ *Tick (✓) the correct value:* 3 tens ☐ 3 hundred ☐ 3 thousand ☐
f)	**Underline** the **square** numbers. 1, 6, 27, 36, 45, 81
g)	☐ × 10 = 465
h)	**Round** €18·90 to the **nearest euro**. € ☐
i)	150 minutes = ☐ **hours** ☐ **minutes**
j)	$\frac{1}{3}$ of ☐ = 9

2. a) **Write** the **missing numbers** in the sequences below.

    i) 18, 27, 36, 45, ☐ ☐ 72

    ii) 340, 325, ☐ ☐ 280, 265, 250

    b) **Circle** the **two numbers** that add up to the **decimal number in the box**.

    | 4·07 |

    0·4   4   0·7

    0·04   7   0·07

---
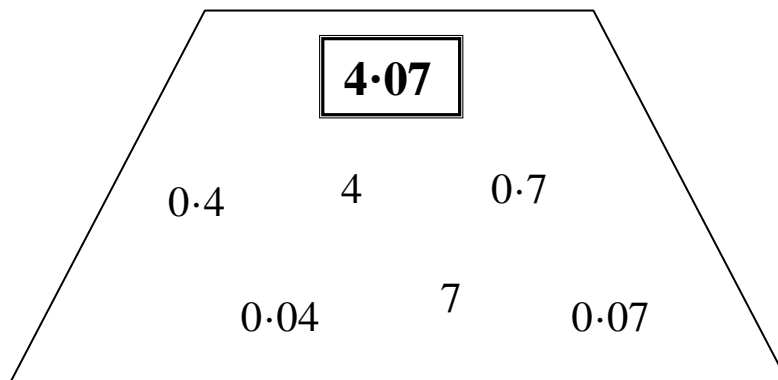
3. **Who am I?**

a) I am a **multiple of 2**.
    I am a **multiple of 3**.
    I am **between 20** and **25**.

☐
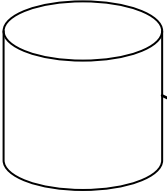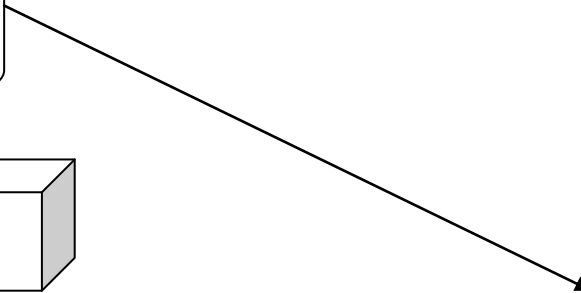
b) I am **larger than 40** but **smaller than 70**.
    I **leave a remainder of 1** when **divided by 10**.
    I am an **odd number**.
    I can be **divided exactly by 3**.

☐

---
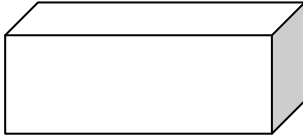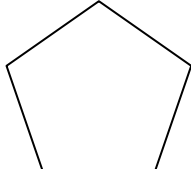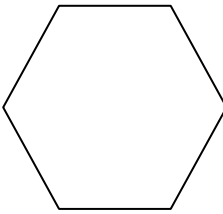
4. **Match the shapes with their correct names.**
   Note: There are two extra cards.
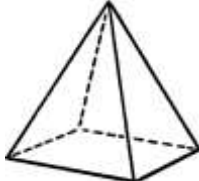
a)

b)

c)

d)

e)

triangle	
cuboid	
cylinder	
hexagon	
pyramid	
rectangle	
pentagon	

---

5. **Use all** the **number cards** in each question once.

a) | 2 | 4 | 7 | 9 | ⇨ make the **largest even** number ⇨ | | | | |

b) | 2 | 3 | 5 | 6 | ⇨ make a number which is **double 1781** ⇨ | | | | |

6. a) **Tick (✓) only** the **equivalent fractions** that are **correct**.

$$\frac{4}{8} = \frac{1}{2}$$

☐
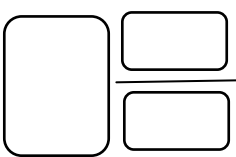
$$\frac{2}{6} = \frac{1}{4}$$

☐

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

☐

$$\frac{8}{12} = \frac{2}{3}$$

☐

b) **Shade** $\frac{2}{3}$.
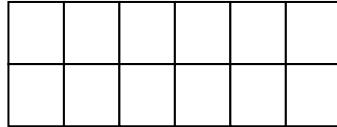
c) $\frac{15}{4}$ =

---

7. a) Draw a **square** with an **area of 36 cm²**.
Note: Use your ruler.

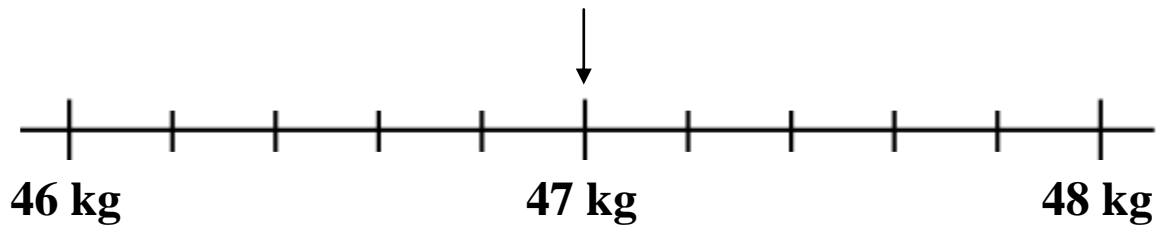b) Draw a **rectangle** with an **area of 36 cm²** and a **perimeter that is 26 cm**.

8.   a)   Alexia wants to find out the weight of her cat Oscar.
She weighs herself and notes that the scale shows **47 kg**.
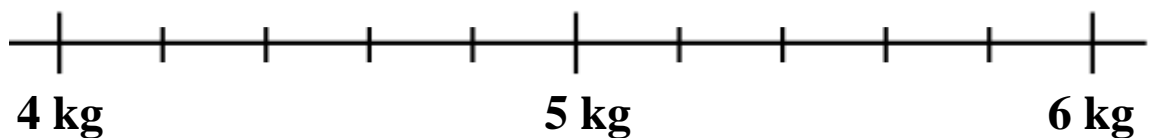**She then steps on the scale holding her cat** and the scale shows **52·2 kg**.

Oscar weighs ☐ **kg.**

b)   The arrow on the scale shows Alexia's weight.

46 kg   **47 kg**   **48 kg**

Draw an arrow to **Oscar's weight** on the scale below.

4 kg   **5 kg**   **6 kg**

c)   Mike is Alexia's brother and Buddy is his dog.
Mike is **152 cm** tall.
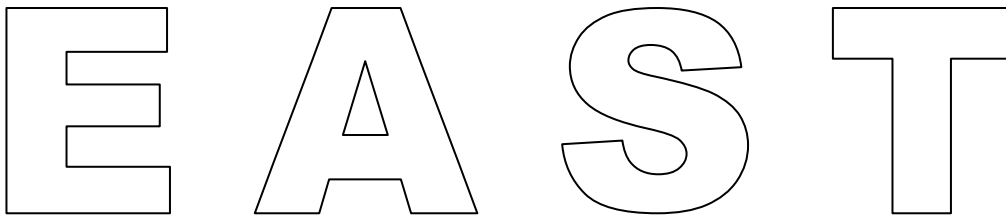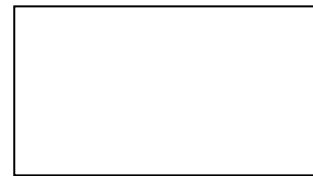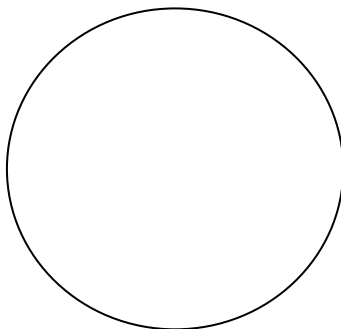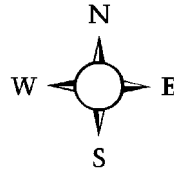**Estimate** the **height** of the **tree**.

tree   Mike and Buddy

_____ **m**

9.   a) **Draw all** the **lines of symmetry**, **if any**, on the letters below.

E A S T

b) Look carefully at the shapes below.
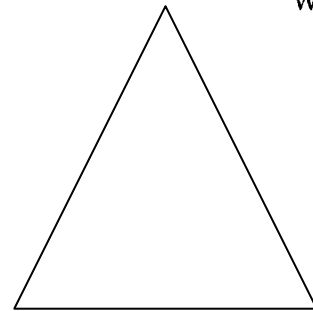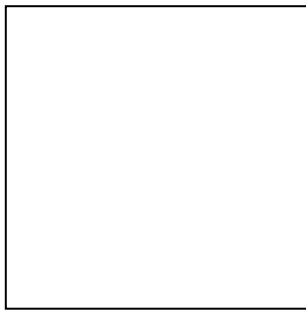
Fill in, using the **directions**.

i)   The **circle** is _____ of the **square**.

ii) The **triangle** is _____ of the **rectangle**.

iii) The **rectangle** is _____ of the **square**.

iv) The **circle** is _____ of the **rectangle**.

10. At home Martha and her family drink **1·75 litres** of **milk every day**.

a) **How many litres of milk** do they drink in a **whole week**, **from Monday to Sunday**?

_____ 1

b) On Saturday mornings **Martha**, **her two brothers** and **her mother** have a milk banana smoothie for breakfast.

Milk Banana Smoothie Recipe
for
1 person

235 ml milk

$1\frac{1}{2}$ **banana**

2·5 g sugar

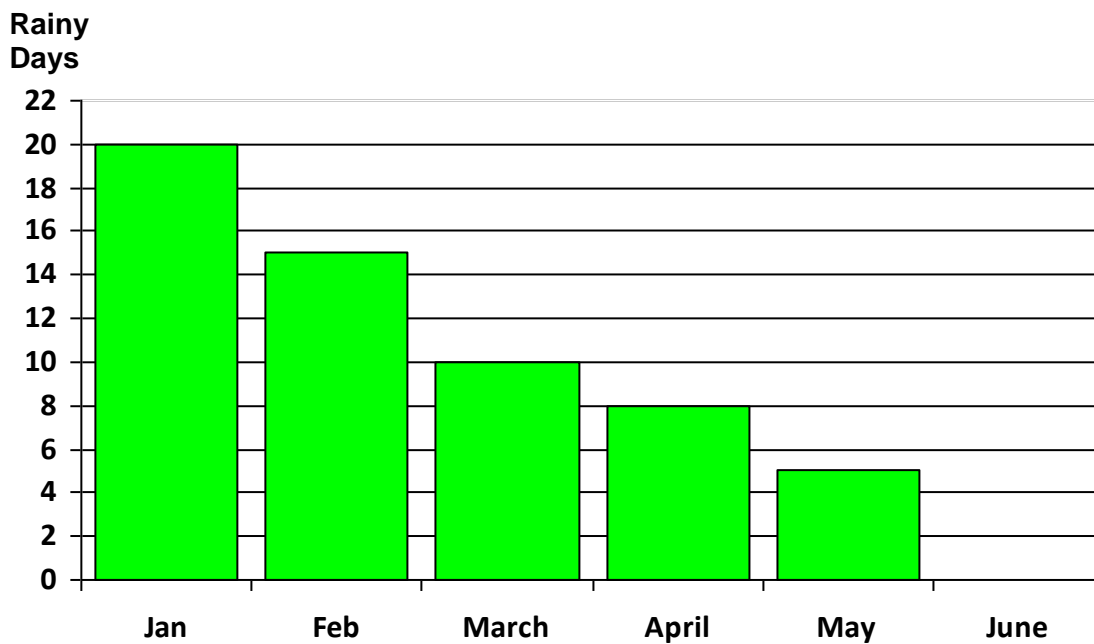How many **litres of milk** do they need for **all** the smoothies?

_____ 1

c) Milk is bought in **1 litre cartons**.
How many **200 ml cups** can be filled from a **1 litre carton**?

_____ **cups**

11. This graph shows the number of **rainy days** in the **first six months** of the Year 2002.

Rainy Days

a) What was the **total number of rainy days** in the **first six months** of **2002**?

_____ **rainy days**

b) In **February** there were ☐ **more rainy days** than in **April**.

c) **From January to December 2012,** it rained on a **total** of **105 days**.
   Complete the table below.

Months	July	August	September	October	November	December
Rainy Days	**0**	**1**		**10**	**16**	**13**

d) There was **no rain** in ☐ and in ☐ .

12. Daniel is flying to Italy on the 25 June 2013.

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						

a) The plane **leaves** at **3:25 pm**.

On the clock face, draw the time the plane leaves.

b) Daniel has to be at the airport $1\frac{3}{4}$ **hours before** the plane leaves.

Daniel has to be at the airport at

____:____ pm

c) The flight to Italy is **90 minutes long**.

At what time will Daniel be in Italy?

____:____ pm

d) Daniel will be back in Malta on the **3 July, 2013**.

What day of the week will that be?

Tick (✓) the correct day of the week.

i) Monday ☐   ii) Tuesday ☐   iii) Wednesday ☐

13.

Katia bought

Total Cost
€5·10

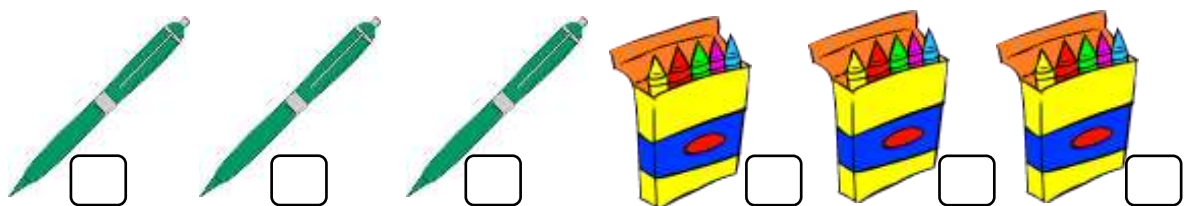One costs **90c**.

a)   One costs   € ___·___

Frankie bought

b)   How much did Frankie spend?

€ ___·___

c)   Which **two items** can you buy with a **€2 coin**?

Note: Tick (✓) the items that you will buy.

_____

END OF PAPER

Marks' Scheme Nos.   1 a - j 10×2 =   20
                            2 - 7 6×4 =   24
                            8 - 13 6×6 =   36

TOTAL   80