

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION
 Directorate for Curriculum Management 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 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 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 tahseb 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 tahseb 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.	
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2.	lines
-----------	--------------

3.	
-----------	--

4.	May <input type="checkbox"/>
	June <input type="checkbox"/>
	July <input type="checkbox"/>

5.	
-----------	--

6.	
-----------	--

7.	
-----------	--

8.	
-----------	--

9.	
-----------	--

10.	
------------	--

11. _____ cm

12. _____ quarters

13. _____ right angles

14. _____ cm

15. _____

16. _____

17. _____

18. € ____ . ____

19. _____

20. _____ stickers

YEAR 5

MATHEMATICS
WRITTEN PAPER

TIME: 1h 15 min

Name: _____

Class: _____

1. Fill in:

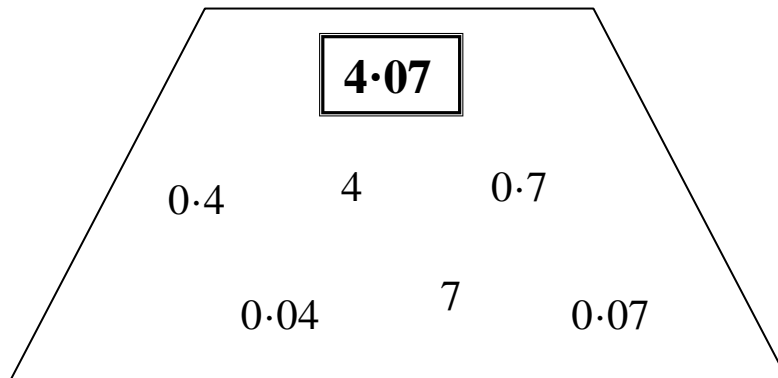
a)	$36 + 29 =$ <input type="text"/>
b)	$100 - 26 =$ <input type="text"/>
c)	$68 \div 4 =$ <input type="text"/>
d)	$7 \times 42 = (7 \times \text{}) + (7 \times \text{})$
e)	What is the value of 3 in 23,174 ? <input type="text"/> <i>Tick (✓) the correct value:</i> 3 tens <input type="checkbox"/> 3 hundred <input type="checkbox"/> 3 thousand <input type="checkbox"/>
f)	Underline the square numbers. 1, 6, 27, 36, 45, 81
g)	<input type="text"/> $\times 10 = 465$
h)	Round €18.90 to the nearest euro . € <input type="text"/>
i)	150 minutes = <input type="text"/> hours <input type="text"/> minutes
j)	$\frac{1}{3}$ of <input type="text"/> = 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**.



3. **Who am I?**

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

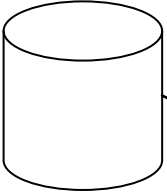
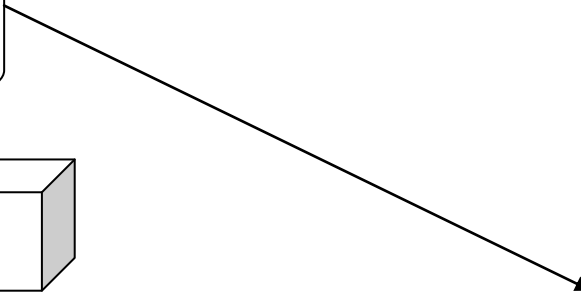
b) I am **larger than 40** but **smaller than 70**.
 I **leave a remainder of 1** when **divided by 10**.
 I am an **odd number**.
 I can be **divided exactly by 3**.

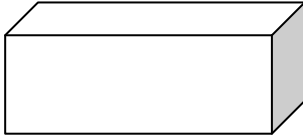
Name: _____

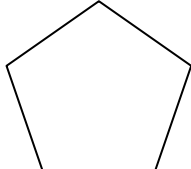
Class: _____

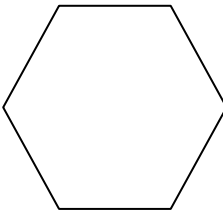
4. Match the shapes with their correct names.

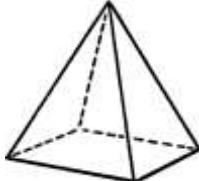
Note: There are two extra cards.

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.

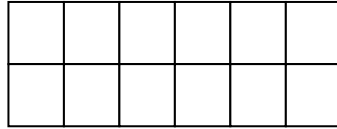
$$\frac{4}{8} = \frac{1}{2}$$

$$\frac{2}{6} = \frac{1}{4}$$

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

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

- 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**.

Name: _____

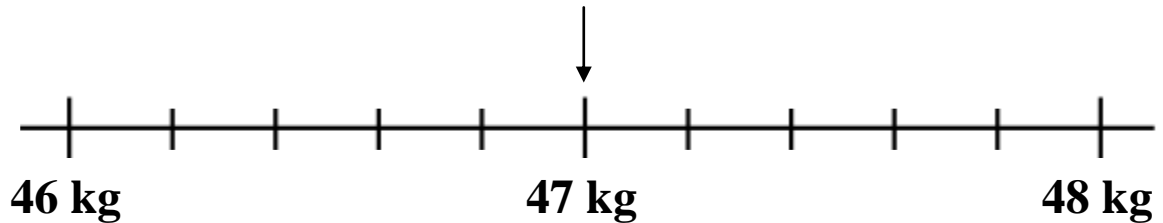
Class: _____

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**.

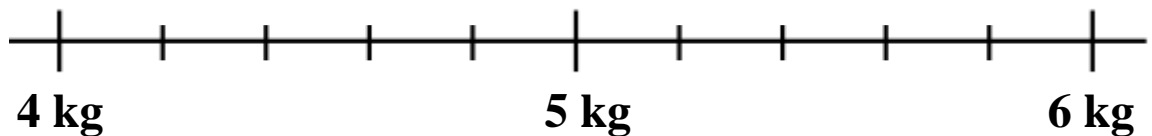
Oscar weighs kg.



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



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



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



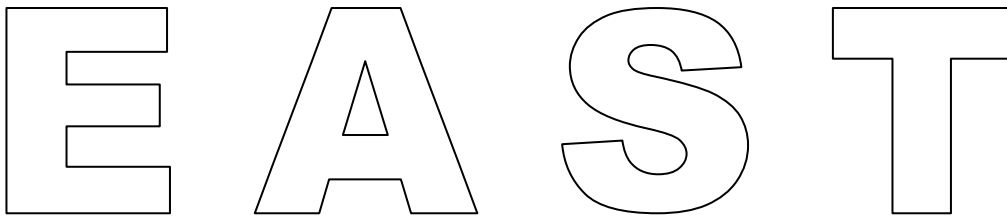
tree



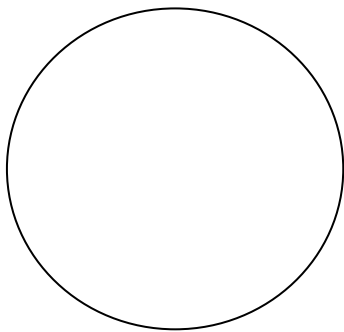
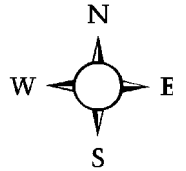
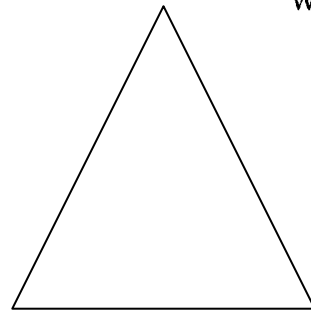
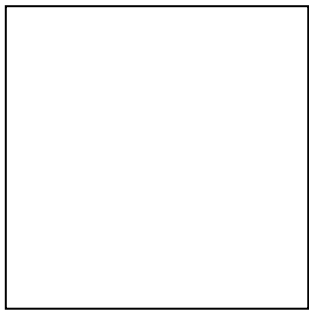
Mike and Buddy

m

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



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

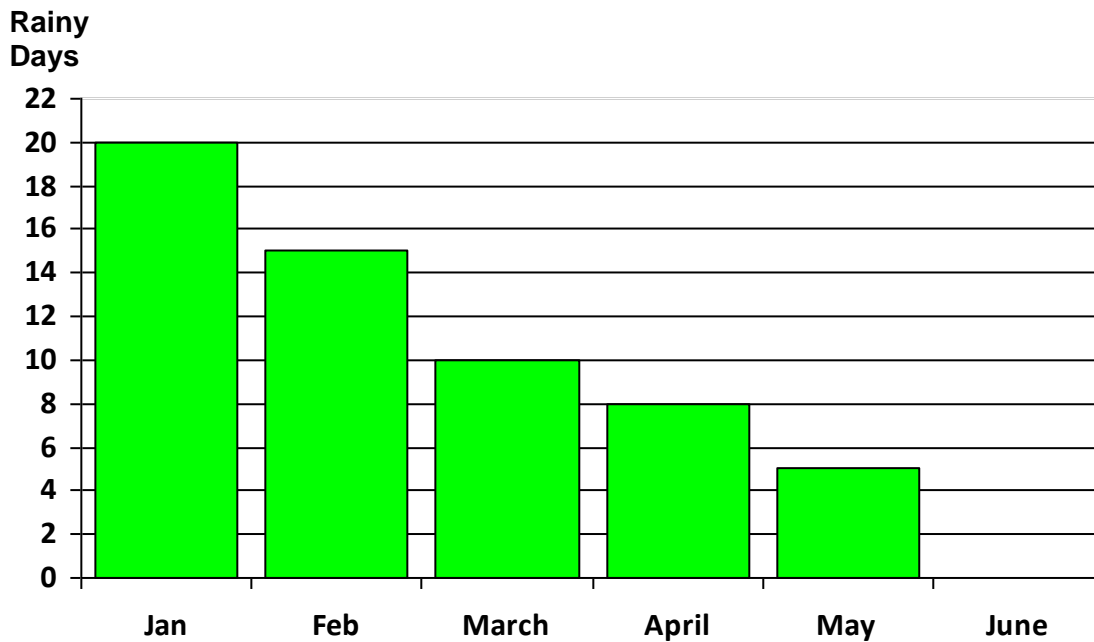
- c) Milk is bought in **1 litre cartons**.
How many **200 ml cups** can be filled from a **1 litre carton**?



_____ cups



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



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 .



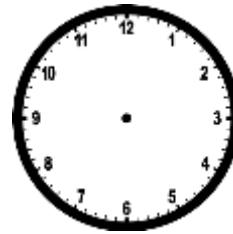
12. Daniel is flying to Italy on the 25 June 2013.

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

a) One  costs € .

Frankie bought

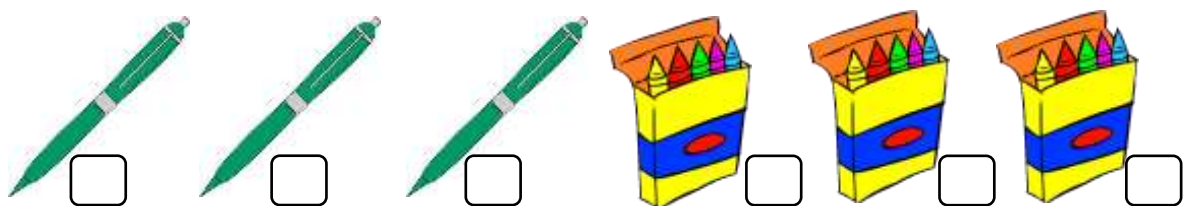


b) How much did Frankie spend?

€ .

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