

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

Annual Examinations for Primary Schools 2012

YEAR 4 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**. Any working on the answer sheet, however, 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 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 spiçça; poġġi l-bajrow fuq il-mejda.

MENTAL PAPER

‘For this group of questions, you will 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.’

1	What is half of forty ?
2	How many edges does a cube have?
3	How many days are there in two weeks ?
4	Round one hundred and seventy two to the nearest hundred.
5	Write in digits the number two hundred and fifty three .

'For the next group of questions, you will 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	What needs to be added to six to make twenty ?
7	What is fifty less than six hundred and eighty ?
8	What is eight lots of hundred ?
9	How many groups of five in forty five ?
10	How many metres in three and a half kilometres ?
11	What is the difference between one hundred ... and ... sixty three ?
12	Ninety five, ninety seven, ninety nine... What is the next number ?
13	How many twenty euro cent coins do I need to make one euro ?
14	A bottle of water holds one thousand litres, one litre or one millilitre ?
15	Write a fraction which is smaller than one half .

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

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

16	Write twenty minutes past four as a digital time .
17	Mary thinks of a number. She divides her number by four , and she gets a six . What is Mary's number ?
18	There are fifty five people on a bus. Sixteen get off and twelve get on . How many people are left on the bus?
19	Write an odd number , between twenty and thirty , which can be exactly divided by three .
20	An apple weighs thirty seven grams more than a banana . A banana weighs one hundred and twenty grams . What is the total weight of an apple and a banana?

END OF MENTAL PAPER

Annual Examinations for Primary Schools 2012

YEAR 4

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.	edges
----	--------------

3.	days
----	-------------

4.	
----	--

5.	
----	--

6.	
----	--

7.	
----	--

8.	
----	--

9.	
----	--

10.	metres
-----	---------------

11.

12.

13.

coins

14.

15.

16.

___ : ___

17.

18.

people

19.

20.

grams

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Annual Examinations for Primary Schools 2012

YEAR 4

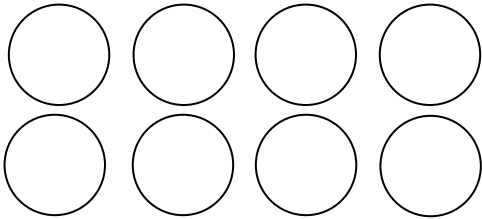
MATHEMATICS
 WRITTEN PAPER

TIME: 1 h 15 min

Name: _____

Class: _____

1. Fill in:

a)	$67 + 4 =$ <input type="text"/>
b)	$54 -$ <input type="text"/> $= 45$
c)	<input type="text"/> $\times 4 = 36$
d)	$56 \div 8 =$ <input type="text"/>
e)	$4.5 \text{ m} =$ <input type="text"/> cm
f)	Double <input type="text"/> $= 16 =$ <input type="text"/> $\times 4$
g)	620, <input type="text"/> , 820, 920, <input type="text"/> , 1120
h)	230 minutes $=$ <input type="text"/> hours <input type="text"/> minutes
i)	<p>Shade $\frac{1}{4}$ of the counters.</p> 
j)	<p>Write two even numbers that total 50.</p> <input type="text"/> $+$ <input type="text"/> $= 50$

2. Use all the 3 cards below in each question.



Write:

- a) the biggest 3 digit number.
- b) the smallest 3 digit number.
- c) a 3 digit number which has 4 as tens.
- d) a number which is ten less than 447.

3. True or False.



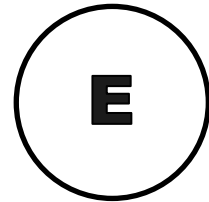
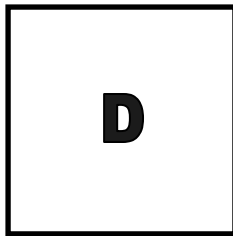
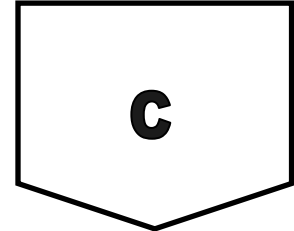
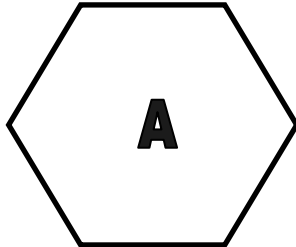
True False

a) $\frac{3}{4}$ kg is less than 1 kg	✓	
b) 1500 g is more than 1 kg 5 g		
c) 6 apples are always heavier than 3 kg		
d) $\frac{1}{4}$ kg + $\frac{1}{4}$ kg is the same as 500 g		
e) 250 g + 120 g + 230 g + 1400 g = 20 kg		

Name: _____

Class: _____

4. Look carefully at these **2-D** shapes.



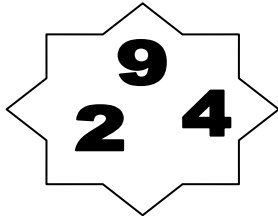
Match.

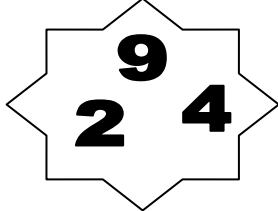
Note: The first one has been done for you.

- a) This shape has **many lines of symmetry**.
- b) This shape is a **hexagon**.
- c) This shape has **4 right angles** and **4 equal sides**.
- d) This shape is a **pentagon**.
- e) This shape has **2 lines of symmetry**.

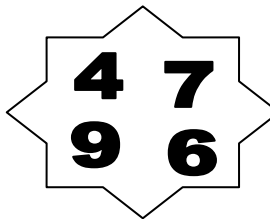
- Shape A
- Shape B
- Shape C
- Shape D
- Shape E

5. a) Use the digits  to write the **number**:

 \rightarrow nearest to 250

 \rightarrow nearest to 500

b) Use the digits  to make the **total**.

 \rightarrow + =

6. Jamie takes **250 ml** of orange juice to a picnic.

He drinks **half of it at lunchtime**, then drinks another **65 ml** in the afternoon.



a) How much does he drink **in all**?

ml

b) How much is **left** in the packet?

ml

Name: _____

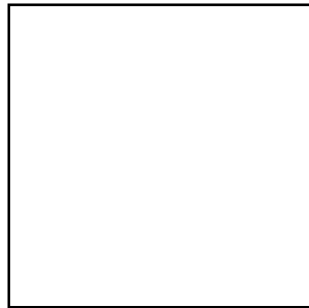
Class: _____

7. Martina loves working with fractions.

a) This is the plan of Martina's bedroom. It is in the shape of a square.

$\frac{1}{4}$ of her bedroom is a reading area.

Shade $\frac{1}{4}$ of her bedroom.



Martina's bedroom



b) Martina collects stickers. These are some of the stickers she has.

Some are smiley faces and some are sad faces.

$\frac{1}{8}$ of her stickers are smiley faces.

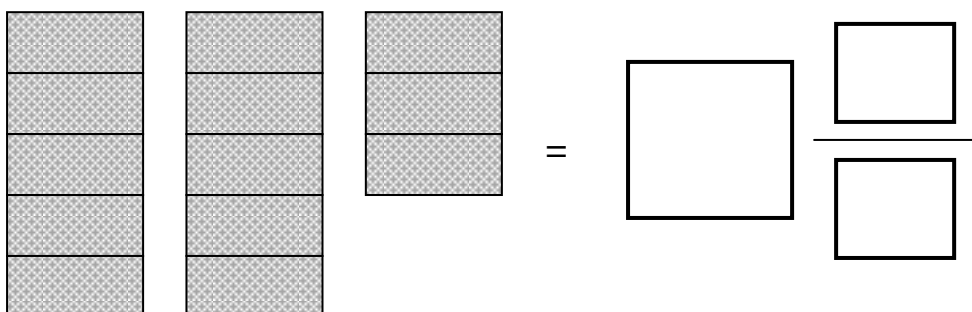


Fill in to make a fraction which is equal to $\frac{1}{8}$.

$$\frac{1}{8} = \frac{3}{\square}$$

c) Martina has **3 chocolates**. Each chocolate has **5 equal slices**.

She eats **2 equal slices** from **1 chocolate**. How much chocolate is left?



8. Tom goes on a picnic with his friends.
 These are some things which he has in his backpack.



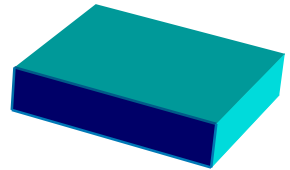
drinking can



ball



game



lunch box

- a) **Match** the things on the left to the names of 3-D shapes on the right.

drinking can

sphere

ball

cuboid

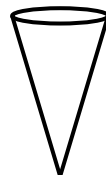
game

cylinder

lunch box

cube

- b) The picture on your right shows a **cone**.



Tick ✓ the correct answer.


(i) How many faces does the cone have? 1 2 3

(ii) How many edges does the cone have? 1 2 3


(iii) How many vertices does the cone have? 1 2 3

9. The cinema is showing these 3 cartoons.

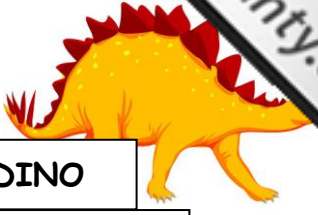
KIDS cinema



TRUCKS	
Starts:	8:00
Ends:	9:50



POP STAR	
Starts:	10:00
Ends:	11:05



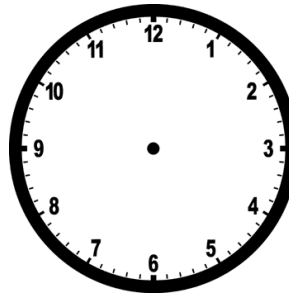
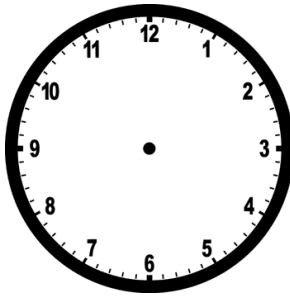
DINO	
Starts:	11:15
Ends:	12:45

a) (i) **TRUCKS** starts at 8:00.

(ii) **TRUCKS** ends at 9:50.

Mark this time on the clock.

Mark this time on the clock.



(iii) **How long** is the film **TRUCKS**?

_____ minutes

b) Ben is watching a film at the cinema at **quarter to 11**.

Which film is he watching? (*Tick ✓ the correct answer.*)

TRUCKS
 POP STAR
 DINO

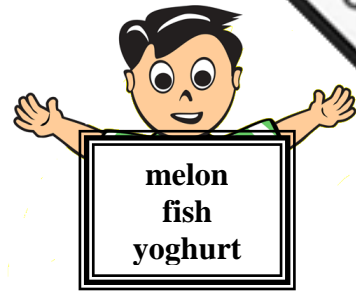
c) Jessica decides to watch **DINO**. She is at the cinema **20 minutes earlier**.

What time is she at the cinema?

_____:_____

10. Maya and Luke stopped for lunch at a restaurant.

MENU	
juice	22c
melon	30c
soup	35c
pie	€1.68
burger	€3.86
fish	€2.79
apple tart	59c
ice cream	43c
yoghurt	41c



a) How much did each pay?

Maya	Luke
juice	melon
pie	fish
ice cream	yoghurt
€ ____ . ____	€ ____ . ____

b) How much change did Maya receive from **two coins of €2**?

€ ____ . ____

c) Luke had **€3.06 left** in his wallet after lunch.

Tick ✓ the **4 coins** that make this amount.

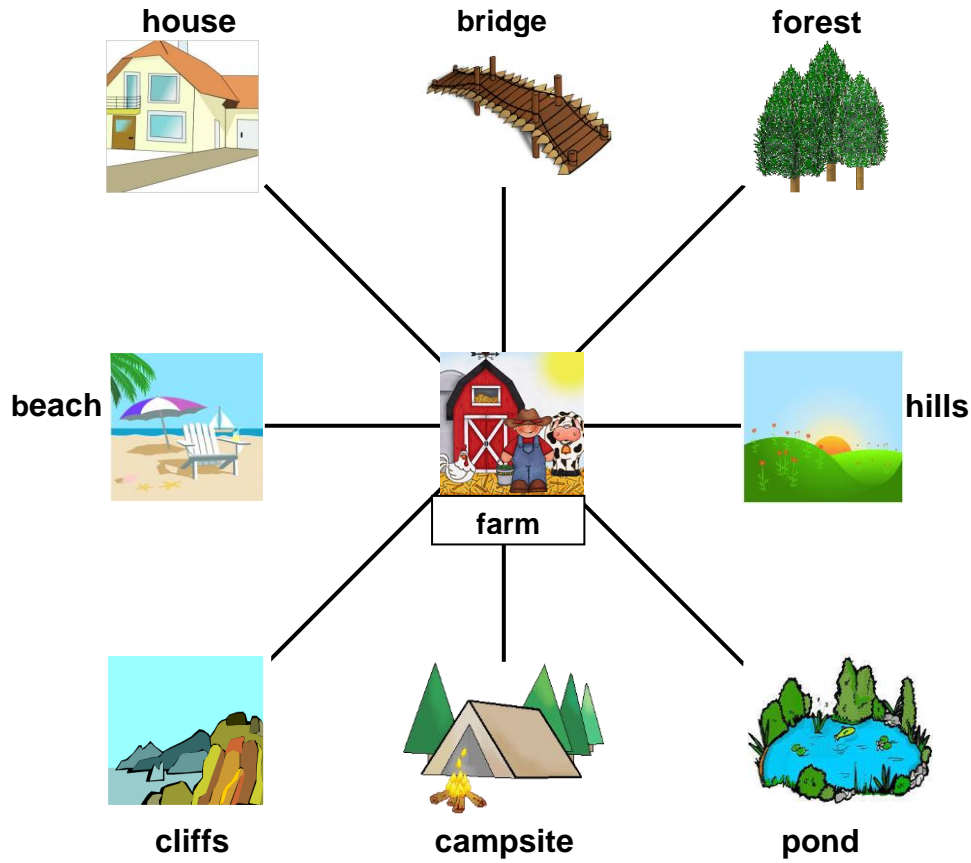


d) You have **just 1 euro**. You want to spend it **all**.

What can you buy from the **MENU** above?

_____ and _____

11.



a) **You are at the farm.**

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

(i) South

(ii) North East

(iii) South West

(iv) West

b) **You are at the farm facing North.**

What are you going to face if you turn:

(i) 1 right angle clockwise?

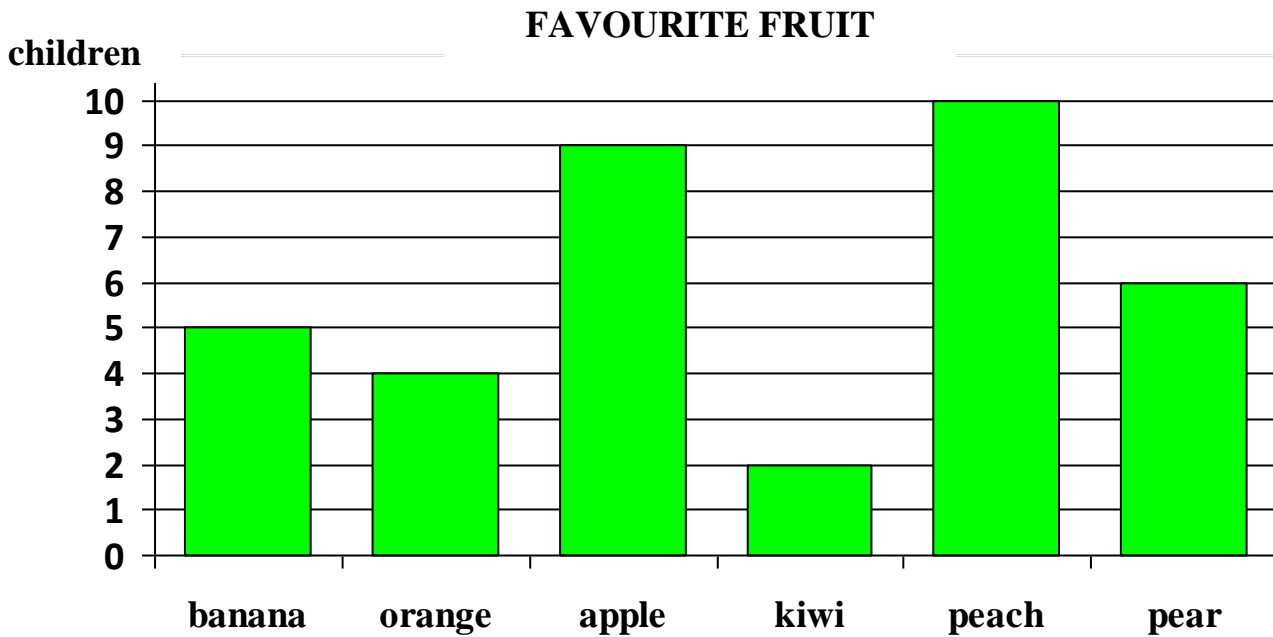
(ii) 1 right angle anticlockwise?

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

i) The beach is _____ of the hills.

ii) The bridge is _____ of the campsite.

12. All Year 4 children in a school are asked to choose their **most favourite**



From the bar chart above:

a) Which is the **most** favourite fruit?

b) Which is the **least** favourite fruit?

c) How many **more** children prefer the **pear** to the **kiwi**?

 children

d) How many children are there in **all**?

 children

13. Mr Galea, the drama teacher, needs to group the children in class.



a) **How many children** are there in Mr Galea's class?

_____ children

b) Which is **the best way** for Mr Galea to group the children, so that all the children are in **equal groups**?

END OF PAPER

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