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YEAR 4

MATHEMATICS MENTAL PAPER

TIME: 15 minutes

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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 spicċa; poggi 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 taħseb u tikteb kull risposta.'*

1	What is <b>six times four</b> ?
2	How many <b>vertices</b> does a <b>sphere</b> have?
3	How many <b>sides</b> are there in a <b>hexagon</b> ?
4	Write the next number: <b>seventy eight, eighty eight, ninety eight...</b>
5	Write <b>three thousand and forty one</b> in figures.

*'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 taħseb u tikteb kull risposta.'*

6	What needs to be <b>added</b> to <b>twelve</b> to make <b>twenty</b> ?
7	Work out the <b>total</b> of <b>eleven</b> , <b>nine</b> and <b>eight</b> .
8	What is <b>thirteen</b> less than <b>one hundred</b> ?
9	How many <b>lots of three</b> make <b>six</b> ?
10	Divide <b>thirty</b> by <b>three</b> .
11	How many <b>millimetres</b> are there in <b>fifteen centimetres</b> ? Tick the correct answer.
12	Write a number that <b>lies between three hundred ninety and four hundred</b> .
13	Round <b>two hundred and sixty</b> to the <b>nearest hundred</b> .
14	Write the number that is <b>one less than four hundred</b> .
15	Subtract <b>three hundred and ninety nine</b> from <b>eight hundred</b> .

*'For this group of questions, you will 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	How many <b>twenty euro cent coins</b> do I need to make <b>five euro</b> ?
17	<b>Double</b> a number is <b>sixteen</b> . What is the number?
18	A <b>rectangle</b> is divided in <b>four equal parts</b> . <b>Three parts</b> are shaded. Write this as a <b>fraction</b> .
19	A holiday lasts <b>three days</b> . How many <b>hours</b> are there in <b>three days</b> ?
20	I am facing <b>East</b> . I turn <b>one right angle anticlockwise</b> . In which <b>direction</b> am I facing?

**END OF MENTAL PAPER**

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION

Department of Curriculum Management

Educational Assessment Unit

**Annual Examinations for Primary Schools 2014**

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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.	
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2.	
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3.	
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4.	
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5.	
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6.	
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7.	
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8.	
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9.	
----	--

10.	
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11. 15 mm  150 mm

12.

13.

14.

15.

16. **coins**

17.

18.

19. **hours**

20.

Annual Examinations for Primary Schools 2014

YEAR 4


MATHEMATICS

TIME: 1h 15min

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

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

1. Fill in:

a)	$58 + 5 = \square$
b)	$102 - \square = 97$
c)	$\square \times 8 = 32$
d)	$29 \div \square = 7 \text{ r } 1$
e)	How many <b>tens</b> are there in 9760? (i) 6 tens <input type="checkbox"/> (ii) 60 tens <input type="checkbox"/> Tick (✓) the correct answer.
f)	<b>3 groups of 8</b> are the same as: (i) $3 + 3 + 3$ <input type="checkbox"/> (ii) $8 + 8 + 8$ <input type="checkbox"/> (iii) $3 \times 3 \times 3$ <input type="checkbox"/> (iv) $8 \times 8 \times 8$ <input type="checkbox"/> Tick (✓) the correct answer.
g)	Tick (✓) the <b>two correct right angles</b> .  <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>



h)	<p>What is the <b>missing time</b>?</p>
i)	<p>Write the fractions below from <b>smallest to largest</b>.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"><math>\frac{1}{2}</math></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"><math>\frac{2}{2}</math></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"><math>\frac{1}{4}</math></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"><math>\frac{3}{4}</math></div> </div> <p>_____ , _____ , _____ , _____ ,</p> <p>smallest <span style="float: right;">largest</span></p>
j)	<p>Work out the missing number in the <b>START</b> box.</p> <p>(i) 19 <input type="checkbox"/></p> <p>(ii) 33 <input type="checkbox"/></p> <p>(iii) 81 <input type="checkbox"/></p> <p style="text-align: right;">Tick (✓) the correct answer.</p>

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

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

2. Look carefully at the numbers below.



a) Which of the numbers above give 70 when rounded to the nearest 10?

,  ,

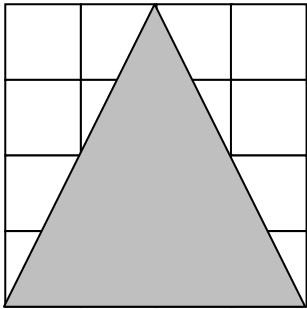
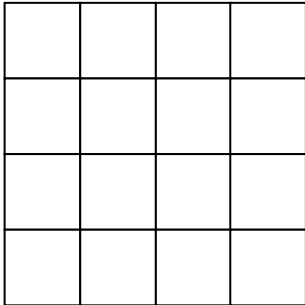
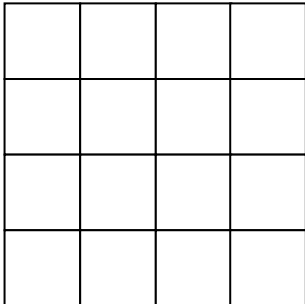
b) Work out the difference between the largest and the smallest number.

The difference is  .

3. Using a ruler, draw the following 2D shapes.

Complete the information about the properties of each shape you draw.

*The first one has been done for you.*

<p>a) </p> <p><b>a triangle</b></p> <p><input type="text"/> sides</p> <p><input type="text"/> line of symmetry</p>	<p>b) </p> <p><b>a square</b></p> <p><input type="text"/> right angles</p> <p><input type="text"/> lines of symmetry</p>	<p>c) </p> <p><b>a pentagon</b></p> <p><input type="text"/> sides</p> <p><input type="text"/> line/s of symmetry</p>
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4. Make a total of 100.

a) Write 2 even numbers that total 100.

$$\square + \square = 100$$

b) Write 2 odd numbers that total 100.

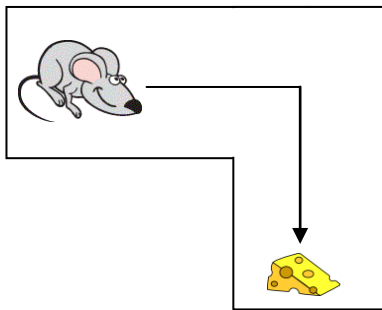
$$\square + \square = 100$$

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5. Jerry the mouse likes to eat cheese.

Tick (✓) the correct answers.

a)

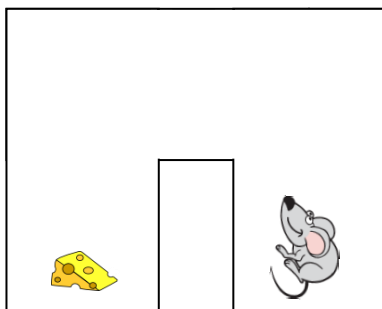


(i) To get the cheese the mouse first walks West  or East .

(ii) Then it turns clockwise  or anticlockwise .

(iii) Finally it walks North  or South .

b)



In which direction is the cheese from the mouse?

North

South

East

West

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

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

6. On this calendar there are some missing dates.

JULY 2014						
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					

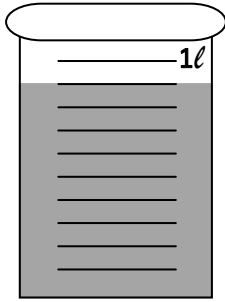
a) Complete the calendar.

b) Match the **dates** to the **days**.

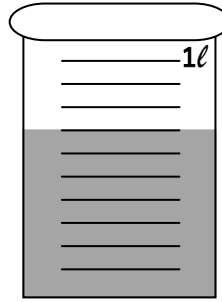
*Note: There is one extra day.*

30 June 2014	●	●	Monday
8 July 2014	●	●	Tuesday
16 July 2014	●	●	Wednesday
1 August 2014	●	●	Thursday
		●	Friday

7. This container has **900 ml** of water.



Harry pours out some water in a cup.

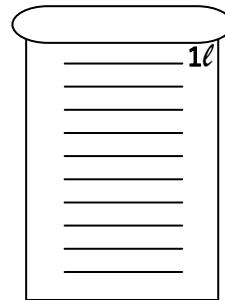


a) How much water does Harry **pour out**?

\_\_\_\_\_ ml

b) At the end of the day, there is only **100 ml left** in the container.

Draw an **arrow** ( → ) to show this.



8a) Which of the following are **correct**?

Tick (✓) the **correct ones** only. *The first one has been done for you.*

$\frac{1}{2}$  of 10 = 5

$\frac{1}{2}$  of 90 = 45

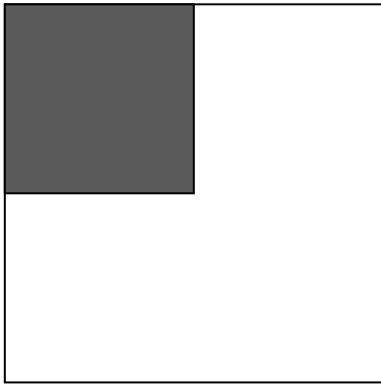
$\frac{1}{2}$  of 100 = 10

$\frac{1}{2}$  of 180 = 80

$\frac{1}{2}$  of 16 = 8

8b) What fraction is shaded?

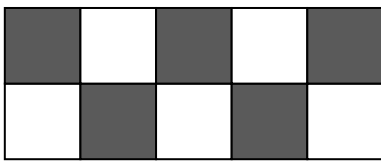
(i)



Tick (✓) the correct answer:

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

(ii)



Tick (✓) the correct answer:

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

9 a) Robert buys 1.5 m of ribbon.  
He uses 85 cm of it to wrap a gift.  
How much ribbon is left?



Show your working here if needed.

\_\_\_\_\_ cm

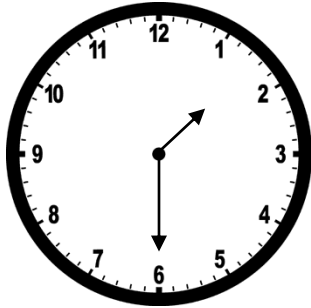
b) Robert cuts the remaining ribbon into 5 equal strips.  
What is the length of each strip?

Show your working here if needed.

\_\_\_\_\_ cm

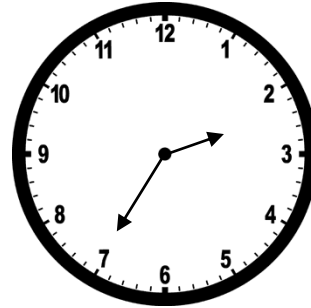
10. The times on the clock faces below show when Maria **starts** and **finishes** building a model plane.

**Start Time**



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

**Finish Time**



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



- a) Write the **digital time** each clock shows.
- b) How long does **Maria** take to build her model plane?  
Give your answer in minutes.

\_\_\_\_\_ minutes

c) Maria's favourite cartoon **PLANE 004** starts at twenty past 4.

Write **twenty past 4** in **digital time**.

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



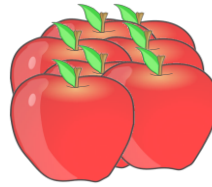
11.



bread  
€0.95



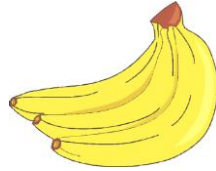
milk  
€0.60



apples  
€1.92



eggs  
€1.75



bananas  
€1.80



cookies  
€1.05

- a) Fiona has a €5 note. After buying two different items she has €2.25 left. What does she buy? Tick (✓) the items she buys.

bread

milk

apples

eggs

bananas

cookies

Show your working here if needed.

- b) Tick (✓) the measurement which is nearest.

- (i) The weight of one apple



20 g

200 g

2000 g

- (ii) The weight of a six year old girl



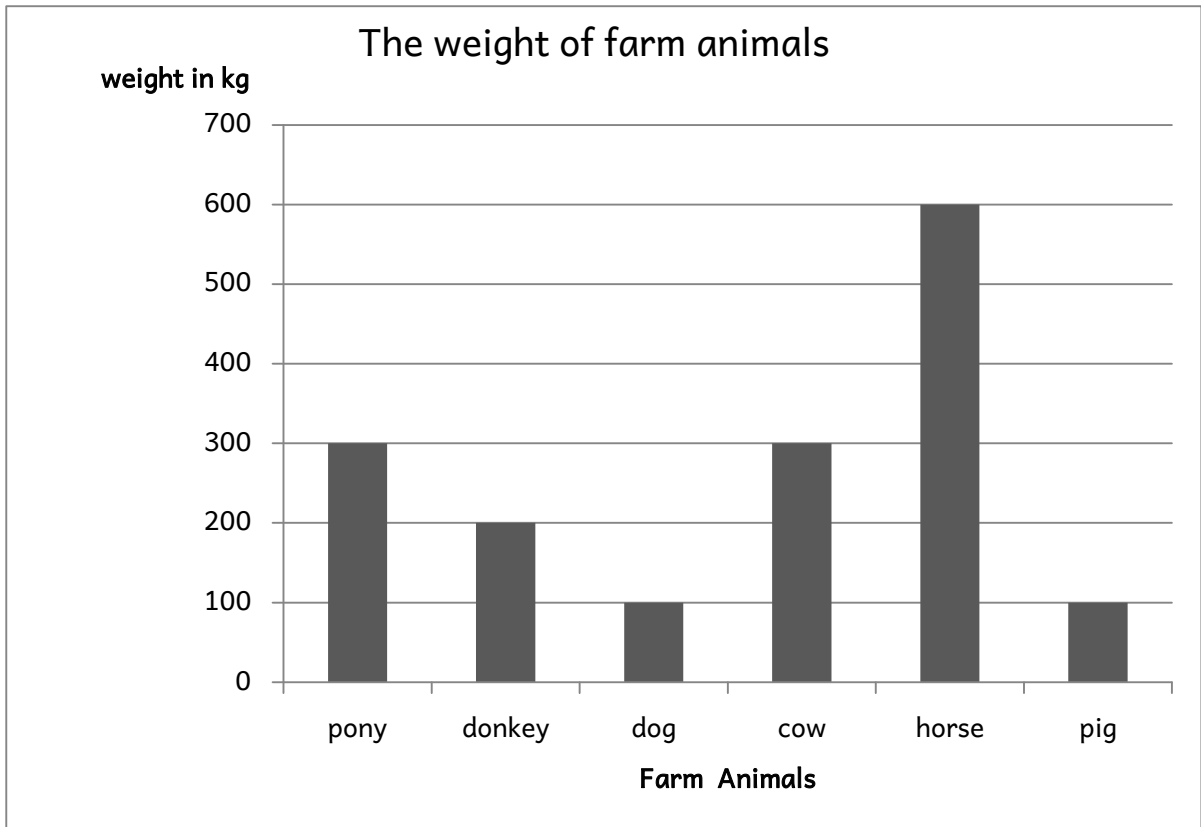
2 kg

20 kg

200 kg



12. The chart below shows the weight of the animals on Veduta Farm.



a) Which is the **heaviest** animal on Veduta Farm?

b) On Veduta Farm the pig is  kg **lighter** than the cow.

James takes care of the animals on Veduta Farm.  
He weighs **15 kg less** than the dog.



c) What is the **total weight** of **James** and **all the animals** on Veduta Farm?

Show your working here if needed.

kg

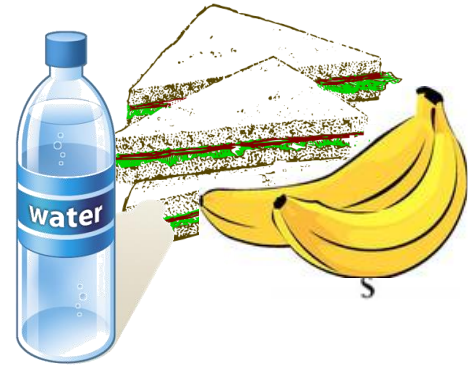
13. Sam and his friends are preparing the food for a picnic.

Each person at the picnic will get:

3 sandwiches

2 bananas

1 small bottle of water



The children pack **36** sandwiches.

a) How many **children** are there at the picnic?

Show your working here if needed.

b) How many **bananas** do they pack?

Show your working here if needed.

**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>