

# END OF PRIMARY BENCHMARK

Directorate for Quality and Standards in Education

Educational Assessment Unit

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**Mental Mathematics**

**Teacher's Paper**

**TIME:** 15 minutes

2<sup>nd</sup> Session June 2011

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## Guidelines for the conduct of the Mental Mathematics Examination

1. Words written in **bold** should be **emphasized**.
2. Read, **in a loud and clear way, 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 penalized.
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 naqralkom kull mistoqsija darbtejn wara xulxin. Isimghuni sew. Wara jkollkom il-ħin biex tweġbuha.*
  - *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 tistgħux issaqsu mistoqsijiet hekk kif it-test jibda.*
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; poġġi l-bajrow fuq il-mejda.*

## MENTAL MATHEMATICS

*‘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 ir-risposta.’*

1.	What is <b>half of eight hundred</b> ?
2.	How many <b>days</b> are there in the <b>month of March</b> ?
3.	What is the <b>size of each angle</b> in an <b>equilateral triangle</b> ?
4.	What is the <b>next</b> number: <b>ninety-eight, ninety-six, ninety-four,....</b>
5.	<b>Name a solid shape</b> with <b>no vertices</b> .

*‘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 ir-risposta.’*

6.	How many <b>minutes</b> are there in a <b>quarter of an hour</b> ?
7.	What is <b>three point one</b> multiplied by <b>ten</b> ?
8.	<b>Round four point nine</b> to the nearest <b>whole number</b> .
9.	<b>Eighty-three is divided by nine</b> . What is the <b>remainder</b> ?

10.	<b>Subtract four point three from ten.</b>
11.	Change <b>one thousand five hundred millilitres</b> to <b>litres</b> .
12.	Write down a <b>factor</b> of <b>sixty-three</b> .
13.	Which one of these numbers is <b>exactly divisible by ten</b> , <b>four hundred and forty-three</b> , <b>four hundred and four</b> or <b>four hundred</b> ?
14.	Is <b>twelve thousand and thirty-six</b> an <b>odd</b> or an <b>even</b> number?
15.	What is the <b>sum</b> of <b>twenty-eight</b> , <b>twenty-nine</b> and <b>thirty</b> ?

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

*‘Ghal dawn il-mistoqsijiet li ġejjin, ghandek 20 sekonda biex tahseb u tikteb ir-risposta.’*

16.	Write an <b>equivalent fraction</b> to <b>two fifths</b> , with a <b>denominator of 10</b> .
17.	<b>Five times a number is three hundred.</b> What is the number?
18.	Write this number in figures: <b>one thousand and fifty.</b>
19.	<b>One side</b> of a <b>regular hexagon</b> is <b>five centimetres</b> long. What is the <b>perimeter</b> of the <b>hexagon</b> ?
20.	<b>One fourth</b> of a class of children likes apples. What <b>percentage</b> of children <b>does not</b> like apples?

**END OF MENTAL PAPER**