Annual Examinations for Primary Schools 2015

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**. 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** or **translation 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. You may write down any information you think is useful whilst I read the questions.*
      Se naqralek kull mistoqsija darbtejn wara xulxin. Ismagħni sew. Tista' tniżżel kull informazzjoni li tħoss li hi bżonjuża waqt li jien inkun qed naqra   il-mistoqsijiet.

    • *You will then have time to work your answer. Any working on your answer sheet, will not be penalised.*
      Wara jkollok il-ħin biex twieġeb kull mistoqsija. M'intix se titlef marki jekk tagħmel xi 'working' fuq il-karta.

    • *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 questions once the test starts.*
      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	**Add twenty** and **ten**.
2	How many **lines of symmetry** does a **square** have?
3	How many **sides** are there in a **pentagon**?
4	Write the **first two odd numbers**.
5	How many **days** are there in **one week**?

'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	Write **three thousand, seven hundred and four** in **figures**.
7	What is **three multiplied** by **three**?
8	What is **half** of **twenty**?
9	**Round forty six** to the **nearest ten**.
10	**Round six hundred and twenty five** to the **nearest hundred**.
11	How many **centimetres** are there in **four metres**?
12	What is **twenty three multiplied** by **ten**?
13	Work out the **difference between one hundred and two** and **ninety eight**.
14	Look at the fractions on your sheet. **Tick (✓)** the **smallest fraction**.
15	How many **halves** are there in **three wholes**?

'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	On your sheet are two numbers. Write the number which is **halfway between them.**
17	Tick (✓) the clock on your sheet that shows **quarter to ten.**
18	**How long**, in **cm**, is **line AB** on your sheet? **Use your ruler** to measure it.
19	I am facing **West.** I turn **three right angles clockwise.** Which **direction** am I facing?
20	A book costs **one Euro and eighty nine cent.** Jane saves **fifty cent each week.** **How many weeks** before Jane can buy the book?

END OF MENTAL PAPER

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION

Department of Curriculum Management

Educational Assessment Unit

Annual Examinations for Primary Schools 2015

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.
- You may write down any information you think is useful whilst the teacher is reading.
- You will then have time to work your answer. Any working on your answer sheet will not be penalised.
- 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 questions once the test starts.
- This paper carries a total of 20 marks.

MENTAL PAPER ANSWER SHEET

1.	

2.	lines of symmetry

3.	sides

4.	_____ , _____

5.	days

6.	

7.	

8.	

9.	

10.	

11.	

12.	

13.	
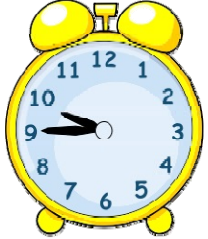
| 14. | $\frac{1}{3}$ ☐ $\frac{1}{2}$ ☐ $\frac{1}{4}$ ☐ |

| 15. | _____ halves |

| 16. | 190 ─☐─ 210 |

| 17. | ☐
  ☐
  ☐ |

| 18. | A _____ B

 cm |

| 19. | |

| 20. | weeks |

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION
Department for Curriculum Management
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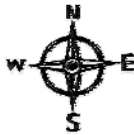
Annual Examinations for Primary Schools 2015
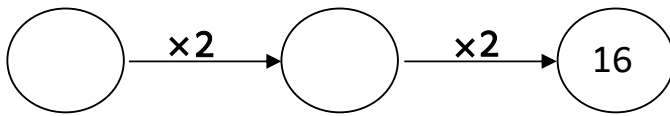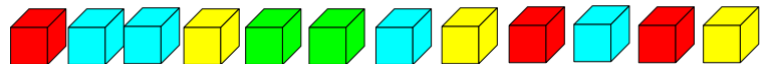
Year 4	MATHEMATICS	Time: 1h 15min

Name: _____ Class: _____

1. Work out.

(a)	☐ + 20 = 85
(b)	300 − ☐ = 24
(c)	Write *a* **whole number between** the two numbers below. 216 ☐ 261
(d)	Complete the number chain. ◯ →×2→ ◯ →×2→ 16
(e)	What is the value of **4** in 7341? **Tick (✓)** the correct answer. (i) 4 units ☐ (ii) 4 tens ☐ (ii) 40 tens ☐
(f)	Write **two different** ways to **share 12 cubes**. Write *a* **division** for each. (i) ☐ ÷ 4 = ☐ (ii) 12 ÷ ☐ = ☐

(g)	Make 100. Write in the missing digits. $\boxed{4}\boxed{}$ + $\boxed{}\boxed{4}$ = $\boxed{1}\boxed{0}\boxed{0}$
(h)	114 – 74 = $\boxed{}$ tens
(i)	Write the lengths in the boxes below in order starting from the **shortest**. $\boxed{\dfrac{3}{4}\text{ m}}$ $\boxed{7.5\text{ cm}}$ $\boxed{70\text{ mm}}$ $\boxed{7\text{m }50\text{ cm}}$ ————— , ————— , ————— , ————— shortest longest
(j)	Double. (i) 23 $\longrightarrow \boxed{}$ (ii) 37 $\longrightarrow \boxed{}$

2. Here is a **Carroll diagram**.

   Put these numbers on the Carroll diagram.

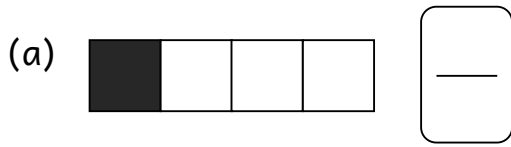 $\boxed{11}$ $\boxed{10}$ $\boxed{7}$ $\boxed{25}$ $\boxed{50}$ $\boxed{44}$
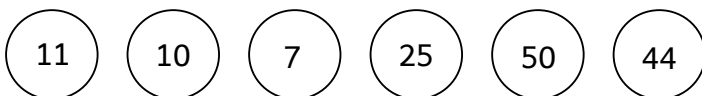
	multiple of 5	not a multiple of 5
more than 20		
not more than 20		

3. What **fraction** is **shaded**: $\frac{1}{2}$, $\frac{1}{4}$ or $\frac{1}{8}$?

(a) [shaded bar] [—]   (c) [shaded triangle square] [—]

(b) [shaded grid] [—]

(d) [shaded bar] [—]
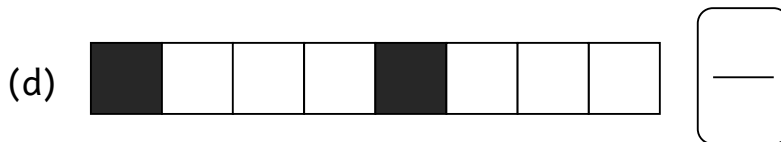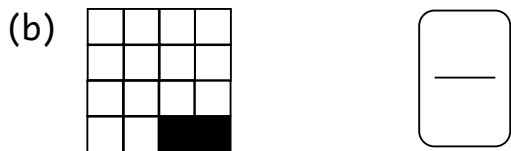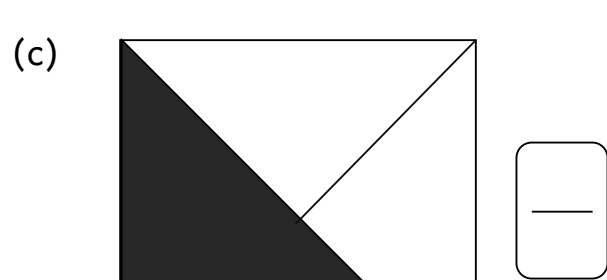
4. Complete this **multiplication grid** by filling in the missing numbers.

×	4	5	
2	8	10	20
	16		40
	32	40	80

5.   Some Year 4 children are taking part in a Battery Competition.
      The chart below shows the batteries collected by four children.

Battery Competition

batteries collected

Year 4 children
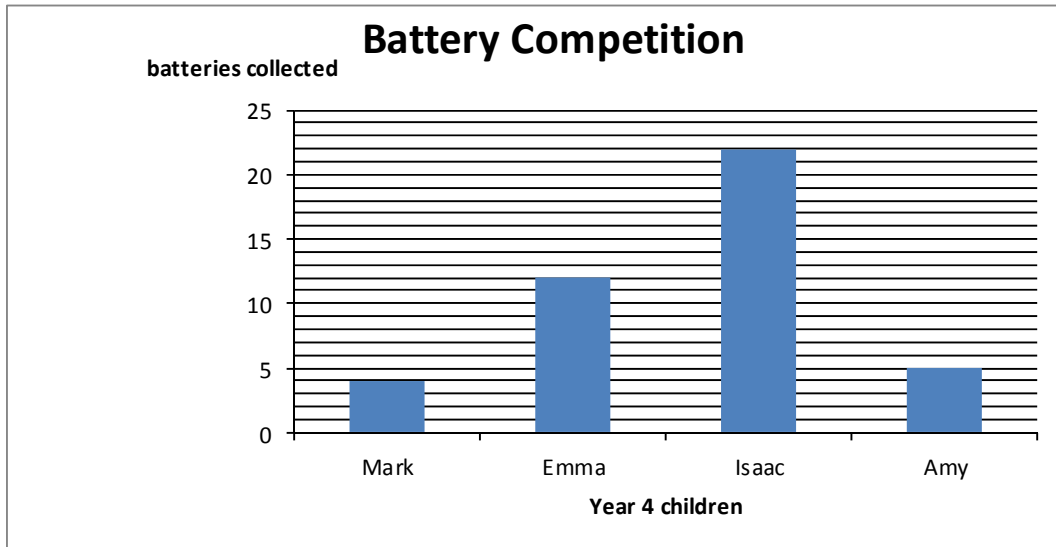
(a) Isaac collected | _____ | batteries.

(b) Emma wants to collect **30 batteries**.

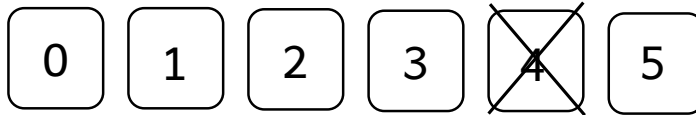   **How many more** batteries does she need to collect?

     | _____ batteries |

The children win **3 points for every battery** they collect.

(c) Who has **12 points**?

     Tick (✓) the **correct answer**.

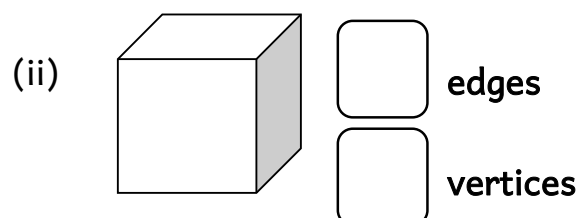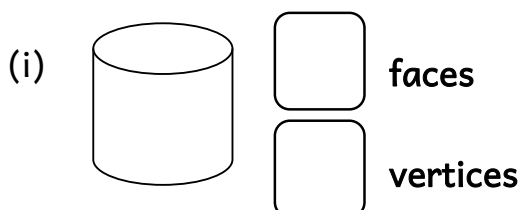   Mark ☐   Emma ☐   Isaac ☐   Amy ☐

6. Here are six digit cards.

[0] [1] [2] [3] [4] [5]

Use **all** the six digit cards **once** to make the sum correct.

☐ + ☐ 4 + ☐ ☐ ☐ = 366

7a) **Draw threemore lines** to this shape to make a shape which has **one vertical line of symmetry**.

mirror line

(b) How many?

(i) ☐ faces

☐ vertices

(ii) ☐ edges

☐ vertices
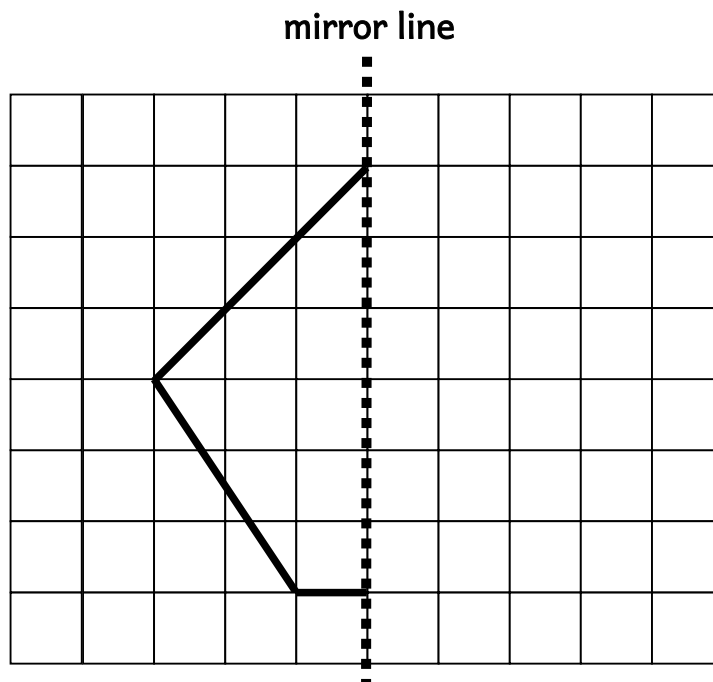
8. This timetable shows the radio programmes on Monday morning.

6:30	Breakfast Show	8:10	Around the World
7:15	News	8:50	Top Music Hits
7:25	Weather Report	9:45	News
7:30	Sports Desk	10:00	Cooking with us

(a) At what time does the **Breakfast Show** start?
Draw the hands on the clock face to show this.
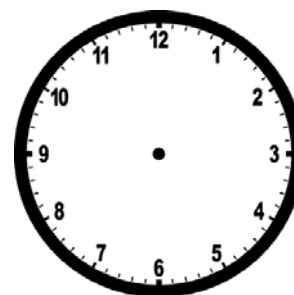
(b) Isabella turns on the radio at **twenty minutes to eight**.
Which radio programme is on the radio at that time?

(i) Weather Report ☐

(ii) Sports Desk ☐

(iii) Around the World ☐

(c) **Cooking with us** is **1 hour 20 minutes** long.
How long, in **minutes**, is **Cooking with us**?

_____ minutes

9.

a) Tick (✔) the **measurement** which is **nearest**.

(i) The **capacity** of **a teaspoon**.

5 *ml* ☐

500 *ml* ☐

5000 *ml* ☐

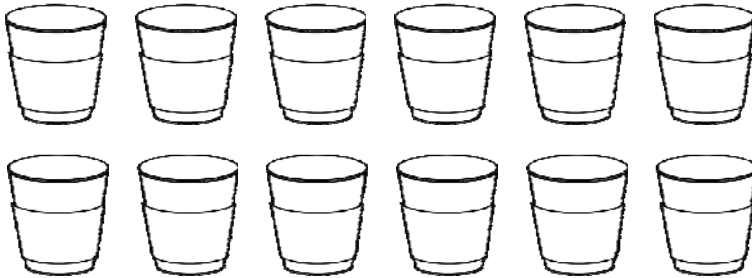(ii) The **capacity** of **a fruit juice**.

1 *l* ☐

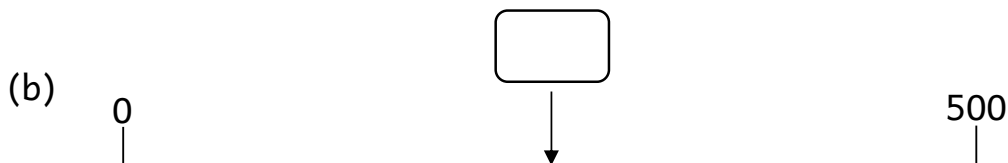10 *l* ☐

100 *l* ☐

(b) These cups hold **150 *ml*** each.

How many of these cups can be filled from a **1·5 litre** bottle?

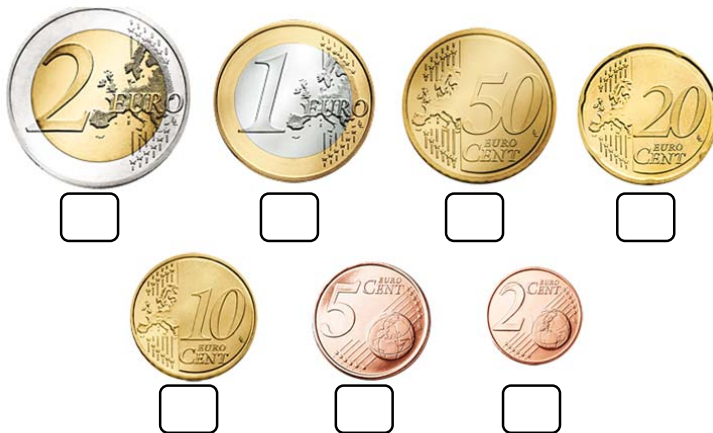You can show your working here

_____ cups

10. Here is a number line.

Estimate the number marked by each arrow.

(a)

0   [   ]   100

(b)

0   [   ]   500

---

11. The coins below are the coins Sandra and Martin have in their purse.
They have a total of **€3·87** in their purse.

Sandra has **two coins** and Martin has **five coins**.

Martin has **87 cent more** than Sandra.

(a) How much money does Sandra have?

€ _____

(b) **Tick (✓)** the two coins that Sandra has.

12. Jana is **1 m 68 cm** tall.

David is Jana's brother.

He is **65 cm shorter** than Jana.

(a) i) How **tall**, in m and cm, is **David**?

You can show your working here

___ m___ cm

ii) How **tall**, in cm, is **David**?

___ cm

(b) Jana plays basketball.

Katia is the tallest basketball player in Jana's team.

Katia is **1 m 81 cm** tall.

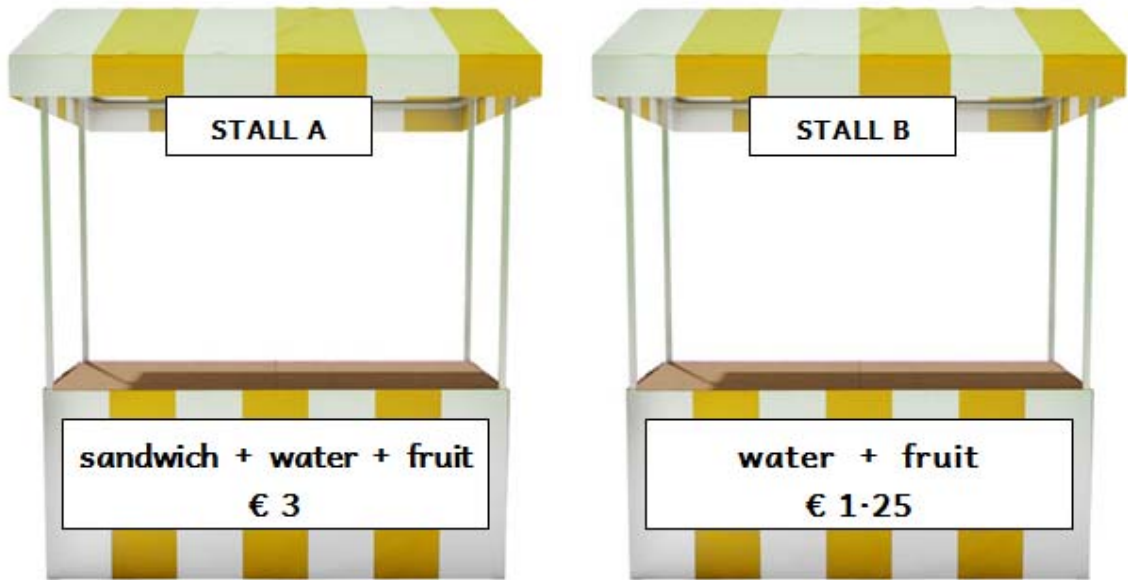How **much taller** is **Katia than Jana**?

You can show your working here

___ cm

13. Some children bought lunch from **Stall A** and **Stall B**.

No child bought from both stalls.

STALL A	STALL B
sandwich + water + fruit € 3	water + fruit € 1·25

(a) Children spent a total of **€10** in Stall B.

How many children bought from Stall B?

_____ children

(b) All the children pay a total of **€46** in Stall A and Stall B.

(i) **How much money** was spent in Stall A?

€ _____

(ii) **How many children** bought lunch from Stall A?

You can show your working here

_____ children

END OF PAPER