



HERESA NUZZO PRIMARY SCHOOL MARS
ANNUAL EXAMINATIONS 2017/2018

MATHEMATICS MENTAL PAPER

YEAR 4

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 naqralek 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; poġġi l-bajrow fuq il-mejda.

'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 10 **multiplied** by 10 ?
2. How many **sides** does a hexagon have?
3. What is 22 **added** to 8 ?.
4. What is **half** of 14?
5. What is **28 divided by 1**?

'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. Write in figures **one thousand seven hundred and thirty four**?
7. How many **months** are there in **two and a half years**?
8. How many lines of **symmetry** does a **square** have?
9. What is 6 **lots** of 7?
10. What must be added to **36 to make 100**?
11. How many millilitres do two, one litre bottles of cola have?
12. What is the remainder of 31 when divided by 10?
13. Round 168 to the nearest hundred.
14. How many **minutes** are there in **one and a half hours**?
15. Look at your answer sheet and fill in the missing numbers.
16. Look at the diagram on your answer sheet. Is it a **cube, cuboid or a rectangle**?

'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.'

17. Which number comes next... **nine hundred ninety-seven, nine hundred ninety-eight, nine hundred ninety-nine**?
18. How many **months** are there in **two and a half years**?
19. A T.V. programme starts at 3:05 pm and ends at 4:00 pm. How long did the programme last?
20. If the **product** of a number and 3 is twenty-one. What is the number?

Name: _____



Theresa NUZZO PRIMARY SCHOOL MARSA
Annual EXAMINATIONS 2018
MATHEMATICS MENTAL PAPER

YEAR 4

TIME: 15 minutes

1.	
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2.		sides
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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.		lines
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9.	
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10.

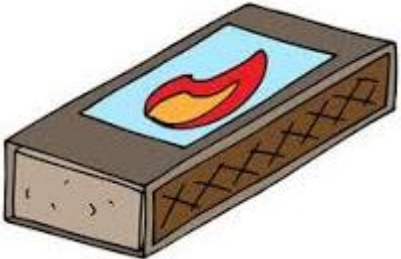
11. ml

12.

13.

14. minutes

15. 42, 36, _____ 24, 18

16. 

17.

18.

19. minutes

20.

END OF PAPER



THERESA NUZZO PRIMARY SCHOOL MARSA

ANNUAL EXAMINATIONS

2017/2018

MATHEMATICS

WRITTEN PAPER

Name and Surname: _____

Year: 4

Time: 1 hr 15 mins

1. Fill in the empty boxes: (1mark each total 12marks)

a) $9 + \square = 9$

b) $43 = 4 \text{ tens} + 3 \square$

c) Write $<$ or $>$

$39 \times 5 \square 190$

d) What is the greatest number you can make with the digits 6,3,9 and 1

e) What is the missing number:

$725, 825, 925, \square 1125$

f) $500 - 99 = \square$

g) There are \square weeks in 365 days.

h) Ian was 12 years old in 2018. In what year was he born?

i) There are 10 seeds in a packet. How many seeds are there in 70 same packets ?

j) The expanded form of 921 is

$$\square + \square + \square$$

2a. Use the signs below to fill in the empty boxes. (6 marks)

>	=	<
---	---	---

i. 6m 4m

ii. 100cm 1m

iii. 10cm 10m

iv. 18cm 81cm

v. 10 Km 1000m


vi. 10mm 1 cm

2b. Change the following lengths to cm. (2 marks)

i. 1m 15cm cm

ii. $\frac{1}{2}$ m cm

2c. Three lengths of wood were put together. How long was the total length of wood used? Show your working. (2 marks)



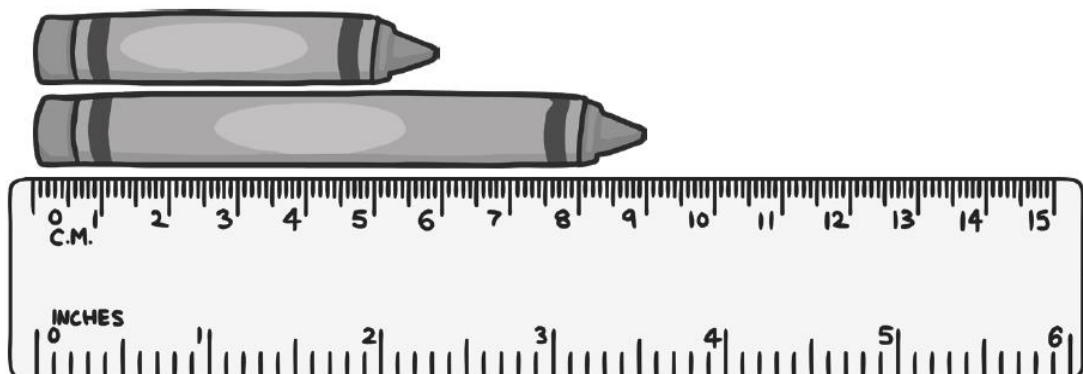
1m 15 cm

150 cm

$\frac{1}{2}$ m

Total length is _____ cm

2d. Look at the following diagram. How many cm longer is the second crayon? (2 marks)



3a. Work out the answers to these sums: (2 marks)

$$\begin{array}{r} \text{T} \quad \text{U} \\ 8 \quad 4 \quad - \\ 5 \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 5 \quad 3 \quad 1 \quad + \\ \quad \quad 6 \quad 8 \\ \hline \\ \hline \end{array}$$

b. What number am I? (1 mark)

I have 2 digits

I am in the 5 times table

I am less than 30

The sum of my two digits is 6

Ans

c. What number am I? (1 mark)

I have 3 digits

I am even

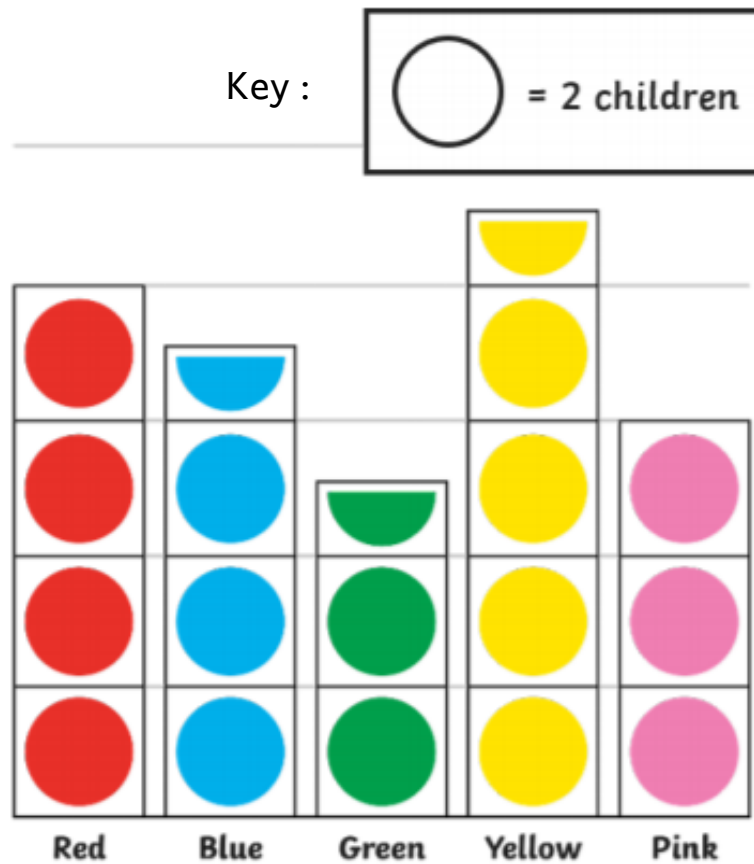
My tens digit is the same as $16 \div 4$

My ones digit is the same as 2×4

My hundreds digit is the same as $30 \div 5$

Ans

4. The pictograph shows the favourite colour of a class of students



a. How many children like red most? _____

(1 mark)

b. How many more children liked yellow than pink? *(2 marks)*

c. How many children are there in the class? *(2 marks)*

d. 7 more children liked orange. Show this on the same pictograph.

(1 mark)

5. Sort these numbers in the Carroll Diagram: (4 marks)

31, 45, 35, 43, 42, 30, 38 and 46

	odd	even
Numbers that have 4 tens		
Numbers that do not have four tens		

6a. Circle the angle that is the same as:

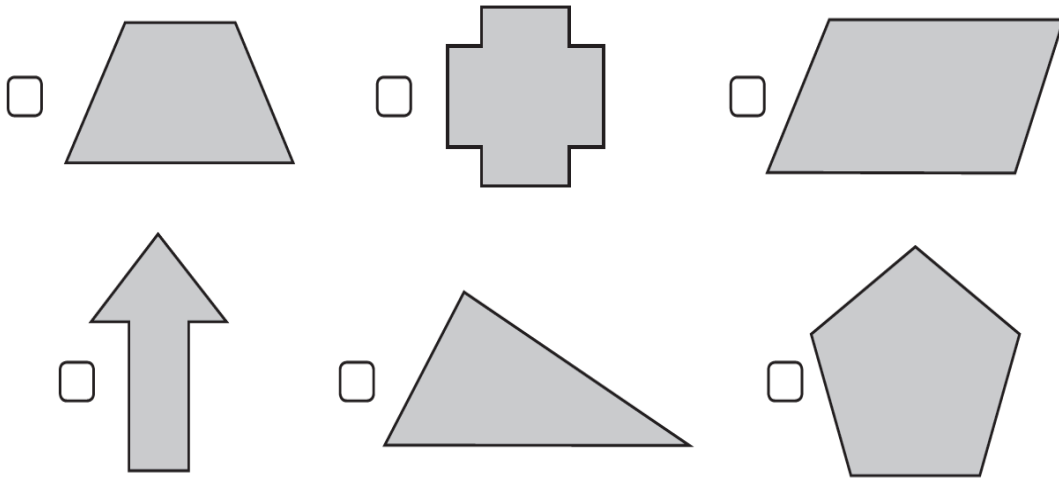


b. Circle the smallest angle



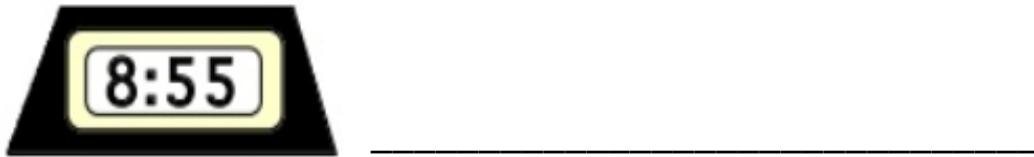
(2 marks)

c. Tick (✓) the shapes that have at least one right angle.



(3 marks)

7a. Jenny arrives home in the evening, after going to the gym at the time shown. Write this time in words.

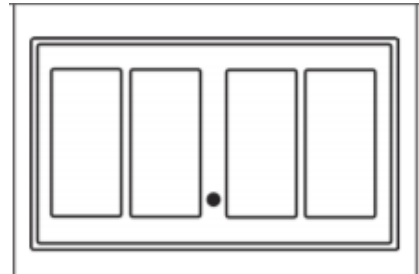


b. How many minutes are there between

i. 7:00 pm and 10:00 pm _____

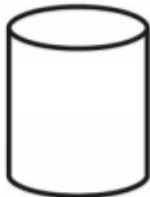


ii. 2:35 am and 3:25 am _____

c. Emma checked her watch as soon as she had just finished breakfast. Write this time in digital.



(4 marks)

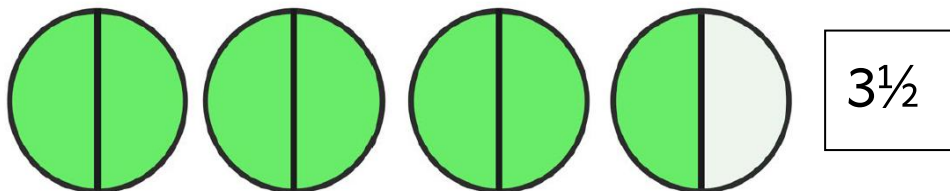
8. Fill in the following table about the properties of 3D shapes. The first one is done for you. (8 marks)

Name	Surface		Edges		Vertices	Picture
	Flat	Curved	Straight	Curved		
Cylinder	2	1	0	2	0	
		0				
Cube	6			0		

9a. Write what fraction these diagrams represent.

The first one is done for you. (2 marks)

i.



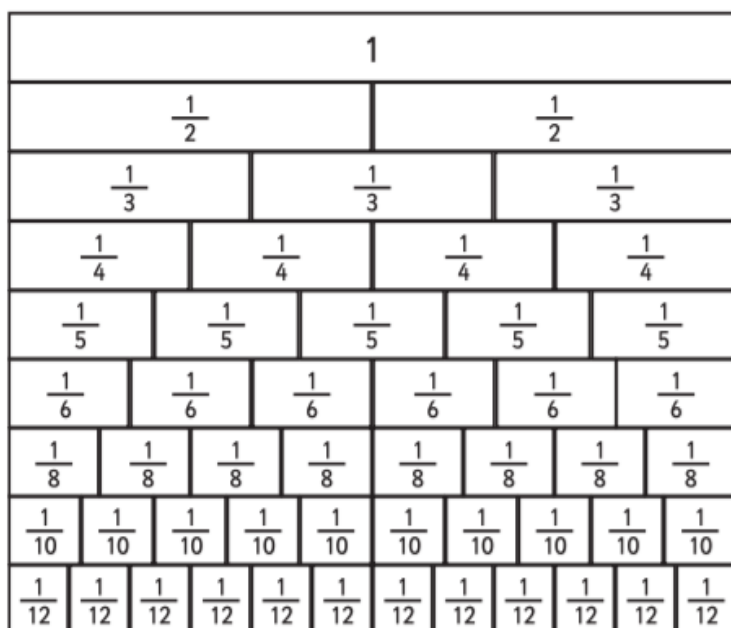
ii.



iii.



b. Use the fraction wall to find the equivalent fractions. (4 marks)



$$\frac{2}{3} = \frac{\quad}{6}$$

$$\frac{3}{4} = \frac{\quad}{8}$$

$$\frac{1}{2} = \frac{\quad}{10}$$

$$\frac{1}{6} = \frac{\quad}{12}$$

9c. Max has 15 toys cars. 8 of them are broken. What fraction are not broken? (2 marks)

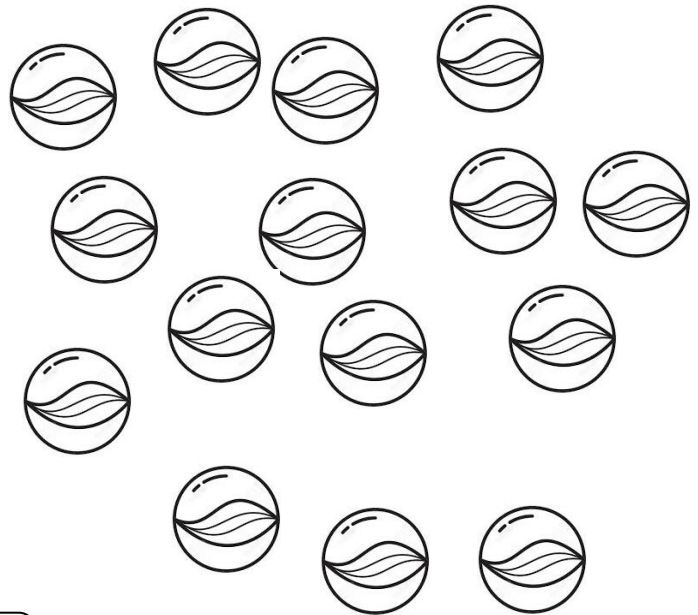
Ans: _____ are not broken

9d. Max also has 15 marbles

$\frac{2}{3}$ of them are yellow.

How many are yellow?

(2 marks)



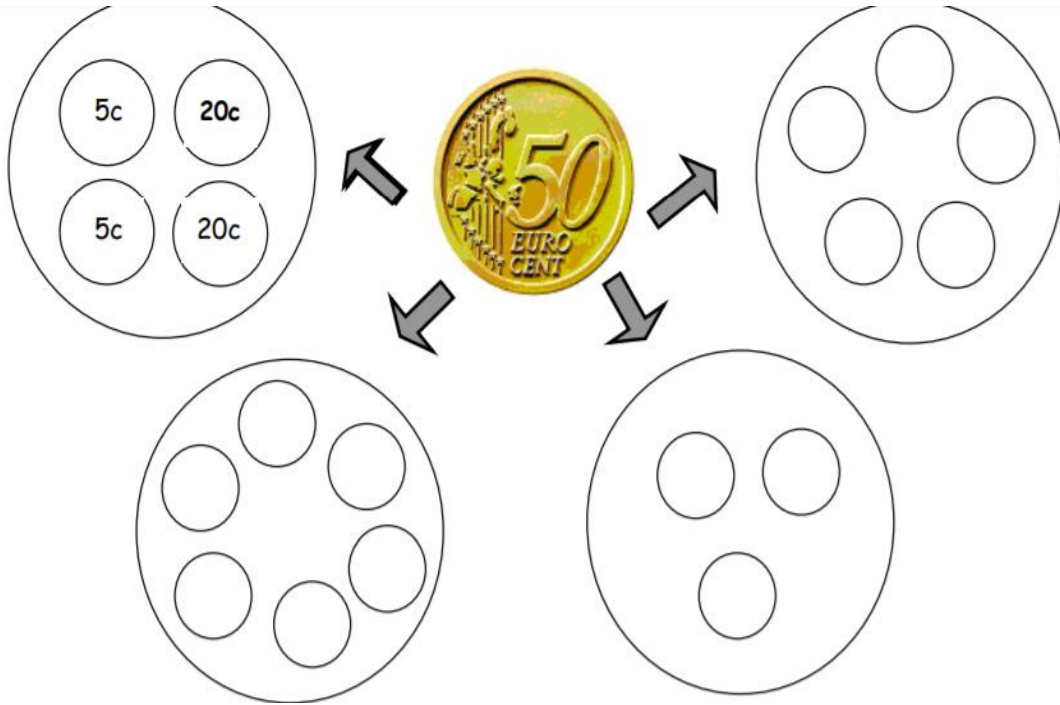
Ans _____ are yellow

10a. The following coins are in my purse. How much money do I have? (1 mark)



Ans _____

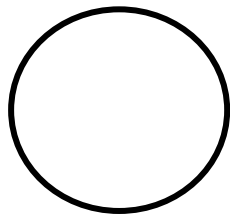
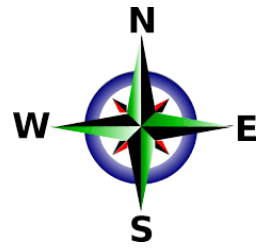
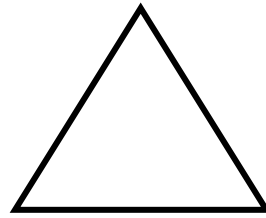
b. Show three other ways of making up 50c. (3 marks)



c. Circle three coins which must be used to pay for the coffee.
(1 mark)



11. Look at the following diagram:



Fill in, using the directions. (4 marks)

- a. The circle is _____ of the square.
- b. The triangle is _____ of the rectangle.
- c. The rectangle is _____ of the triangle.
- d. The circle is _____ of the rectangle

12a. Sam buys three chocolate bars to share with his two sisters. How much do they cost? (2 marks)



40c

Ans: _____

b. He also buys a newspaper for his mum. How much did he spend altogether? (2 marks)



50c



Ans: _____

c. How much change does he get from €5? (2 marks)

Ans: _____