

ASSESSMENT TEST

MARK: /10

NAME: _____

GROUP: A ☐ B ☐ C ☐INSTRUCTIONS FOR ANSWERING THE TEST

It is composed by 10 questions with **only one answer** to be chosen among the options a), b), c) and d). The way for answering consists of shading ☒ the answer you consider that is correct in the following table and to leave blank ☐ the answers you consider that are incorrect

	1	2	3	4	5	6	7	8	9	10
a)										
b)										
c)										
d)										
Mark										

- There is only one correct answer to each one of the 10 questions.
- Each correct answer sums 1 point whereas each incorrect answer subtracts 0.25 points. We will consider as incorrect answers those cases in which the shaded answer is not the correct one.
- Blank answers do not neither add nor subtract points.
- The final mark will be the result of adding the marks obtained in each question.
- The grey zone of the table is reserved for marking.
- ONLY ANSWERS INCLUDED IN THE TABLE WILL BE CORRECTED

QUESTIONS

- Which one of the following couples of numbers corresponds to co-prime numbers?
 - 27 and 18
 - 34 and 16
 - 39 and 100
 - 5 and 15
- Three sisters won the lottery and they want to share the prize. Luisa keeps $\frac{1}{5}$ of the prize, Maria keeps $\frac{1}{3}$ and Eva takes the remaining part. Which fraction of the prize corresponds to Eva?
 - $\frac{8}{15}$
 - 500 €
 - $\frac{1}{15}$
 - $\frac{7}{15}$
- From a group of 100 people, there are 45 women, 40 people wearing hat and 30 women who do not wear hat. How many men do not wear hat?
 - 0
 - 15
 - 25
 - 30

4. Claudius was born in the year 10 B. C. and he lived for 64 years. Augustus died 40 years before the death of Claudius and he lived for 77 years. In which year did Claudius born?
- 43 B. C.
 - 127 B. C.
 - 91 A. C.
 - 63 B. C.
5. A bookseller has bought 250 equal books by 2750 euros. If he wants to earn 2 euros per book, how much should he sell each book?
- 9 euros
 - 13 euros
 - 11 euros
 - 10 euros
6. Which is the second decimal digit in the division $5.78:3.6$?
- 2
 - 6
 - 5
 - 0
7. How many equal floor tiles with square shape are needed to cover a room having 80 dm of length and 64 dm of width so that the tiles have the greatest possible size?
- 9 floor tiles
 - 32 floor tiles
 - 16 floor tiles
 - 20 floor tiles
8. If melon costs 1.90€/kg, how much will Julia pay if she buys two melons weighing 2.48 kg and 3.055 kg, respectively?
- 12.8974 €
 - 6.2757 €
 - 3.76 €
 - 10.5165 €
9. To which mathematical expression is associated the Venn diagram on the right?
- $C \subset A, A \cap B \neq \phi$
 - $C \subset A, B \not\subset C$
 - $A \subset C, A \cap B = \phi$.
 - No one of the other options is correct.

