

ASSESSMENT TEST

MARK: /10

NAME: _____

DNI: _____

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

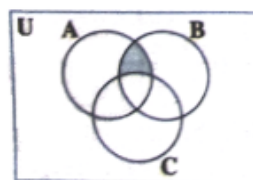
QUESTIONS

1. In a village with 300 people, there are 110 men, there are 120 people who like football and there are 50 men who like football. How many women do not like football?

a) 70 b) 90 c) 120 d) 190

2. How can be represented the shaded area of the graphic by means of operations between sets?

- a) $(A \cup B) - C$
 b) $(A \cap B) - C$
 c) $(A \cup B) \cap C$
 d) $(A \cap B) \cup C$



3. In the supermarket of my neighborhood there is an offer saying “pay 4 and take 5”, that is, if you pay 4 units they gift you the fifth one. I have bought 20 pens and I have paid 9’60€. What is the price of one pen?

- a) 60 cents
 b) 1 euro
 c) 48 cents
 d) 64 cents

4. Which one of the following fractions is not equivalent to a decimal fraction?

a) $\frac{16}{80}$

b) $\frac{12}{75}$

c) $\frac{35}{60}$

d) $\frac{44}{110}$

5. I have bought a notebook and a folder and I have paid 10'8€ in total. The notebook has cost $\frac{2}{7}$ of the price of the folder. How much did the folder cost?

a) 8'4€

b) 7'71€

c) 3'08€

d) 2,4€

6. Mary and Ann have 25 white balls, 15 blue balls and 90 red balls, and they want to do the greatest number of necklaces with equal number of balls so that any ball is left over. How many necklaces can they do in total without mixing colors in each one of them?

a) 5 necklaces

b) 26 necklaces

c) 450 necklaces

d) 50 necklaces

7. How many divisors do 1350 have?

a) 6 divisors

b) 24 divisors

c) 9 divisors

d) 20 divisors

8. A submarine is immersed in the sea. It goes down 37 meters, then it goes down again 3 meters and then it goes up until the surface which is 50 meters far from him. What was the initial position of the submarine?

a) -10 meters

b) -50 meters

c) -40 meters

d) -16 meters

9. A shopkeeper has bought 600 eggs for 70€. How much should she sell the dozen of eggs at if she wants to get a benefit of 50€?

a) At 2 euros and 40 cents

b) At 83 cents

c) At 1 euro and 20 cents

d) At 1 euro

10. James has read $\frac{5}{7}$ parts of a book and Mary has read $\frac{3}{5}$ parts of the same book. Mary needs to read 70 pages more to finish it. How many pages has James read?

a) 125 pages

b) 80 pages

c) 100 pages

d) 50 pages