



**MATHEMATIC**  
**MID-TERM EXAMINATION**  
**Even Semester, February 2021**  
**Academic Year of 2021/2022**

Name : \_\_\_\_\_

Class : \_\_\_\_\_

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**I. Choose A, B, or C for the best answer. (10 Points)**

1. A dozen means
  - a. 25
  - b. 12
  - c. 35
2. A ream means
  - a. 500
  - b. 100
  - c. 250
3. A gross means
  - a. 114
  - b. 144
  - c. 145
4. A score means
  - a. 20
  - b. 40
  - c. 15
5. How many pens of 6 scores ?
  - a. 140 pens
  - b. 120 pens
  - c. 100 pens
6. How many dozen of 36 books ?
  - a. 4 dozen
  - b. 3 dozen
  - c. 2 dozen

7. How many bottles of 2 gross ?
  - a. 288 bottles
  - b. 286 bottles
  - c. 268 bottles
8. When a car travels from point A to point B, the difference between the two points is called...
  - a. Speed
  - b. Distance
  - c. Time
9. How much distance is travelled in a certain amount of time, is called...
  - a. Speed
  - b. Distance
  - c. Time
10. What is the formula triangle of distance, speed and time ?
  - a.  $\text{Distance} = \text{Speed} \times \text{Time}$
  - b.  $\text{Speed} = \text{Time} \times \text{Distance}$
  - c.  $\text{Time} = \text{Distance} \times \text{speed}$

II. Cross (X) T if each of the following statements is TRUE and F if it is FALSE. (10 points)

1	$4^2 = 4 \times 4$	T	F
2	$8^3 = 8 \times 8 \times 8$	T	F
3	$2^5 = 2 \times 2 \times 2 \times 2 \times 2 = 32$	T	F
4	$\sqrt{900} : \sqrt{25} = 6$	T	F
5	$35^2 - \sqrt{625} \times \sqrt{1.024} = 425$	T	F
6	$17^2 + 31^2 - 28^2 = 466$	T	F
7	$\sqrt{625} = 15$	T	F
8	$(27^2 - 21^2) \times 11^2 = 34.848$	T	F
9	$300 > 17^2$	T	F
10	$\sqrt{1.369} > 35$	T	F

III. Answer the following questions. (5 points)

1. In this shop,  
Rp47.000,00



you can buy tins of beans cost  
each, or Rp270.000,00 for 6 tins.

What is the **unit price** of each tin in the 6-tin deal ?

2. Arrange these from smallest to largest: dozen, ream, gross and score.
3. A train travels at 75 km/h. How far will it travel in 3 hours?
4. Sara's dad is draining their swimming pool.  
The pipe can drain  $250\text{m}^3$  per minute.  
There are 10.000 litres of water in the pool.  
How long will it take to drain the pool?
5. Putri is filling her fish tank.  
It is  $60.000\text{cm}^3$  in volume.  
The small hose fills  $250\text{cm}^3$  of water per minute.  
How long will it take to fill the fish tank?