



## Numerical Ability Practice Questions

## Set 4: Word Problems

**Direction:** Read the word problems below carefully. Choose the letter of the correct answer for each question.

1 . Two cars started from a common point and moved in opposite directions. The faster car is moving 65 kph while the slower car is moving 60 kph. How many hours will the cars be 250 km from each other?

- (A) 1.5
- (B) 2
- (C) 3.5
- (D) 4

2. Lily is 4 years older than Benny. The sum of their ages three years from now is 58. How old is Benny this year?

- (A) 15
- (B) 24
- (C) 28
- (D) 32

3. Car A and Car B are moving in the same direction. Car moves at a rate of 60 kph while Car B moves at a rate of 72 kph. How far is Car B from Car A after 4 hours ?

- (A) 46 km
- (B) 48 km
- (C) 50 km
- (D) 52 km

4. If Shawn cleans the backyard alone, he can finish it in 1 hour. Meanwhile, if Frank cleans the backyard alone, he can finish it in 1.5 hours. Suppose that Shawn and Frank decided to help each other cleaning the backyard. How long can Shawn and Frank finish cleaning the backyard?

- (A)  $\frac{3}{5}$  hour
- (B)  $\frac{2}{5}$  hour
- (C)  $\frac{1}{5}$  hour
- (D)  $\frac{5}{3}$  hour



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5. Belle is planning to buy a cake and a dress as a gift for Alice. The price of the cake is Php 40.00 more than half the price of the dress. The total cost of the cake and the dress is Php 670.00. How much is the cake?

- (A) Php 420.00
- (B) Php 250.00
- (C) Php 210.00
- (D) Php 480.00

6. In this year, the sum of the ages of Monica and Celeste is 57. In three years, Monica will be 7 years younger than Celeste. Determine Monica's age this year.

- (A) 22 years old
- (B) 35 years old
- (C) 32 years old
- (D) 25 years old

7. Martin has some marbles in his collection. He also received some marbles from his friends. Grace gave Martin 6 more than half the number of marbles that Martin has. Paul gave Martin half the number of marbles that Grace gave. After Grace and Paul gave marbles to Martin, Martin had 30 marbles. How many marbles did Martin initially have?

- (A) 18
- (B) 16
- (C) 14
- (D) 12

8. A cyclist is moving at a rate of 13 kph. He travelled from 9:25 AM to 10:40 AM. Determine the distance covered by the cyclist.

- (A) 12.25 km
- (B) 16 km
- (C) 16.25 km
- (D) 14.25 km

9. There are two kinds of tickets for a theatre play: student ticket and non-student ticket. The student ticket is Php 100.00 cheaper than the non-student ticket. If 300 non-students and 400 students bought tickets for the play, the total revenue from ticket sales is Php 170 000. How much is a non-student ticket?

- (A) Php 200.00
- (B) Php 300.00
- (C) Php 400.00
- (D) Php 500.00



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10. A book costs Php 240.00 more than twice the price of a pen. If you buy a book and a pen, you have to pay Php 300.00. How much is a pen?
- (A) Php 50.00
  - (B) Php 40.00
  - (C) Php 30.00
  - (D) Php 20.00
11. Last year, Andy was 5 years older than Missy. This year, the sum of the ages of Andy and Missy is 47. How old was Andy last year?
- (A) 20
  - (B) 25
  - (C) 10
  - (D) 15
12. A train left Station A at 8:00 AM and reached Station B at 9:30 AM. The train is moving at a rate of 52 mph. How far is Station A from Station B?
- (A) 68 miles
  - (B) 74 miles
  - (C) 78 miles
  - (D) 82 miles
13. Candy can type 38 words per minute. How many words can she type in 2 hours?
- (A) 4560 words
  - (B) 4820 words
  - (C) 5240 words
  - (D) 5640 words
14. Two years ago, Rick's age was five more than twice of Brian's age. In this year, the sum of their ages is 39. Determine how old was Brian two years ago?
- (A) 16
  - (B) 14
  - (C) 12
  - (D) 10
15. Mang Berto earns Php 378.00 for every 7 kg of mangoes that he sold. Suppose that Mang Berto sold 10 kg each day. How much will Mang Berto earn in 3 days?
- (A) Php 1540
  - (B) Php 1580



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- (C) Php 1620
- (D) Php 1640

16. Alvin alone can fix an automobile in 3 hours. If Simon helps Alvin, they can fix an automobile in 1 hour. How long can Simon fix an automobile alone?

- (A) 2.5 hours
- (B) 2 hours
- (C) 1.5 hours
- (D) 1.25 hours

17. Car A and Car B started from the same place and are moving in opposite directions. Car A is 12 kph faster than Car B. After 2 hours, the cars are 304 km apart from each other. How fast is Car B?

- (A) 65 kph
- (B) 70 kph
- (C) 72 kph
- (D) 75 kph

18. Patty is 4 years older than Ana. In 10 years, the sum of their ages will be 80. Determine how old Ana is in the present.

- (A) 22 years old
- (B) 24 years old
- (C) 26 years old
- (D) 28 years old

19. If 5 workers can finish a task in 10 days. How many workers can finish the same task in 2 days?

- (A) 15 workers
- (B) 20 workers
- (C) 25 workers
- (D) 30 workers

20. Working together, Myrna and Lea can finish a report in 2 hours. If Myrna finishes the report alone, it will take her 3 hours to finish it. How many hours can Lea finish the report alone?

- (A) 3 hours
- (B) 4 hours
- (C) 5 hours
- (D) 6 hours



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