Numerical Ability Practice Questions

Set 3:
Word Problems

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

1 . Eric is 12 years older than Freddie. If the sum of their ages is 52. How old is Eric?
(A) 42
(B) 32
(C) 22
(D) 12

2. Five years ago, Pat was 15 years younger than Mark. This year, Mark's age is twice Pat's age. How old was Pat five years ago?
(A) 35
(B) 20
(C) 15
(D) 10

3. It takes 2 hours for Sylvia to encode data from the office files to the computer. Meanwhile, it takes 3 hours for Mike to encode the same data. If Sylvia and Mike will work together, how long will it take for them to encode the same data?
(A) 1.20 hours
(B) 1.35 hours
(C) 1.50 hours
(D) 1.95 hours

4. Paul's age is twice Luke's age. In eight years, the sum of their ages is 88. How old is Paul this year?
(A) 48
(B) 46
(C) 44
(D) 42

5. Two cars are 810 km apart and are moving toward each other. If the rates of the cars are 100 kph and 80 kph respectively. In how many hours will the cars meet each other?
(A) 3.5 hours
(B) 4.5 hours
(C) 5 hours
(D) 5.5 hours

6. Bea and Ana are fond of collecting stamps. The number of stamps collected by Ana is thrice the number of stamps that Bea collected. The total number of stamps collected by Bea and Ana is 360. Ana has _____ stamps.

(A) 90
(B) 180
(C) 270
(D) 290

7. Claude gave 23 of his books to his friends: Fred, Franz, and Johann. Fred received 3 more books than Johann while Franz received 5 more books than Fred. How many books did Franz receive?

(A) 4
(B) 12
(C) 14
(D) 18

8. Seven years ago, Patty's age was twice Cindy's age. Five years from the current year, the sum of their ages is 66. How old are Patty and Cindy in the present?

(A) Patty is 21 years old while Cindy is 35 years old
(B) Patty is 14 years old while Cindy is 19 years old
(C) Patty is 21 years old while Cindy is 28 years old
(D) Patty is 14 0years old while Cindy is 35 years old

9. A car left City A at 8:30 AM and reached City B at 10:45 AM. Throughout the trip, the car has a constant rate of 60 kph. Determine how far is City A from City B?

(A) 135 km
(B) 155 km
(C) 160 km
(D) 175 km

10. Alex drives from City A and heads for City B at a rate of 60 kph. After 2 hours, James drives from City A and heads for City B at a rate of 80 kph. How long will it take for James to overtake Alex?

(A) 4 hours
(B) 6 hours
(C) 7.5 hours
(D) 8 hours

11. Jessie can finish decorating the room in 4 hours If Catherine helps Jessie, they can finish decorating the same room in $\frac{4}{3}$hours only. How many hours does it take Ana to decorate the room alone?

(A) 1 hour
(B) 1.5 hour
(C) 2 hours
(D) 2.5 hours

12. Celine can finish a certain task three hours faster than Rachel. If Celine and Rachel work together, they can finish the same task in 2 hours. How long does it take for them to finish the task alone?

(A) Celine can finish the task alone in 5 hours, Rachel can finish the task alone in 8 hours
(B) Celine can finish the task alone in 4 hours, Rachel can finish the task alone in 7 hours
(C) Celine can finish the task alone in 2 hours, Rachel can finish the task alone in 5 hours
(D) Celine can finish the task alone in 3 hours, Rachel can finish the task alone in 6 hours

13. A large plate of *pancit* costs Php 14.00 more than the cost of two orders of small plate of *pancit*. Suppose you order a large plate and a small plate of *pancit* and pay a total of Php 104.00. How much is a large plate of *pancit*?

(A) 44
(B) 54
(C) 64
(D) 74

14. It takes 45 minutes for pipe A alone to fill a water tank. Meanwhile, it takes 50 minutes for pipe B alone to fill the same water tank. If the pipes are opened at the same time, how long before the water tank is filled?

(A) $\frac{2}{5}$hours
(B) $\frac{21}{25}$hours
(C) $\frac{15}{38}$hours
(D) $\frac{15}{22}$hours

15. Cess sold thrice as much *suman* in the morning than in the afternoon. Cess sold 45 *suman* in the afternoon. If each *suman* costs Php 15.00. How much did Cess earn that day?

(A) Php 2700.00
(B) Php 2200.00

(C) Php 1800.00
(D) Php 980.00

16. In the present, the sum of ages of a child and his father is 40. In eight years, the child will be 24 years younger than his father. What is the current age of the child?
(A) 4
(B) 8
(C) 12
(D) 16

17. Bianca's age is 11 more than twice Sheila's age. Seven years ago, the sum of their ages was 30. How old is Bianca in the current year?
(A) 27
(B) 29
(C) 33
(D) 35

18. Bus fare is based on the passenger's destination. Php 35.00 is the bus fare for a passenger whose destination is City P. Meanwhile, Php 62.00 is the bus fare for a passenger whose destination is City Q. Suppose that for a trip, the total revenue from bus fare was Php 2290.00. If there are 20 passengers whose destination is City Q. How many passengers are there whose destination is City P?
(A) 30
(B) 35
(C) 40
(D) 55

19. Fourteen years ago, Mica was 9 years older than Beatris. If currently, the sum of their ages is 75. Determine how old Beatris was 14 years ago.
(A) 27
(B) 18
(C) 36
(D) 19

20. Two cars moved from a common starting point but in opposite directions. One car travels 5 kph faster than the other car. After 3 hours, the cars are 435 km apart. What are the rates of the slower and the faster car?
(A) 60 kph and 65 kph respectively
(B) 65 kph and 70 kph respectively

(C) 70 kph and 75 kph respectively
(D) 75 kph and 80 kph respectively