



Numerical Ability Practice Test

Set 5

- 1) The area of a square is 81 inches. What is its perimeter?
 - (a) 32 cm
 - (b) 36 cm
 - (c) 40 cm
 - (d) 44 cm

- 2) The length of a rectangle is 5 meters longer than its width. If the perimeter of the rectangle is 50 meters, identify the area of the rectangle.
 - (a) 100 m²
 - (b) 125 m²
 - (c) 150 m²
 - (d) 175 m²

- 3) A 20 ft x 18 ft. land owned by Dr. Mariano is being sold. If each square foot of the land costs Php 1000, how much is Dr. Mariano's land?
 - (a) Php 270,000
 - (b) Php 290,000
 - (c) Php 320,000
 - (d) Php 360,000

- 4) An aquarium is 8 meters long, 5 meters wide, and 3 meters deep. How many cubic meters of water can fill the aquarium?
 - (a) 120 cubic meters
 - (b) 240 cubic meters
 - (c) 360 cubic meters
 - (d) Cannot be identified

- 5) The interior angles of a triangle are in a ratio of 5 : 6 : 7. What is the measurement of the smallest angle?
 - (a) 50 degrees
 - (b) 15 degrees
 - (c) 25 degrees



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(d) 5 degrees

6) If B is the midpoint of segment PQ and $PQ = 42.5$, what is the measure of segment BP?

(a) 18.5

(b) 20

(c) 21.25

(d) 24.5

7) Tiffany owns a small poultry farm. For every 8 roosters that she owns, there are 9 hens. If the total number of chickens in Tiffany's small farm is 85, how many roosters are there?

(a) 35

(b) 40

(c) 45

(d) 50

8) What is the supplement of an angle that measures 110° ?

(a) 60°

(b) 70°

(c) 80°

(d) 110°

9) A rectangular lot is 40 meters long and 20 meters wide. How many meters of fencing wire can enclose the entire rectangular lot?

(a) 120 meters

(b) 60 meters

(c) 800 meters

(d) None of the above

10) 15% of delegates of a Campus Journalism Event are Editorial Cartoonists. If there are 200 delegates, how many are non-cartoonists?

(a) 120

(b) 140



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- (c) 160
- (d) 170

11) Compute $\frac{15}{\frac{1}{3} + \frac{1}{5}}$

- (a) $25 \frac{1}{4}$
- (b) $26 \frac{1}{6}$
- (c) $28 \frac{1}{8}$
- (d) $32 \frac{1}{3}$

12) Cris ate $\frac{1}{5}$ of the pie that Lucy made. Meanwhile, Jennie ate $\frac{1}{3}$ of the same pie. What part of the pie that Lucy made was left?

- (a) $\frac{1}{5}$
- (b) $\frac{2}{15}$
- (c) $\frac{1}{3}$
- (d) $\frac{7}{15}$

13) For each bottle of honey that Selena sells, she gets 5% commission. If each bottle costs Php 120, what is the total commission that Selena will get if she sold 8 bottles of honey?

- (a) Php 72
- (b) Php 64
- (c) Php 56
- (d) Php 48

14) Two consecutive numbers have a sum of 71. Identify their product.

- (a) 1260
- (b) 1300
- (c) 1420
- (d) 1580

15) A square and an equilateral triangle have the same perimeter. If a side of the equilateral triangle is 48 cm long. How long is the side of the square?

- (a) 18 cm
- (b) 28 cm
- (c) 34 cm
- (d) 36 cm

16) Which of the following is TRUE?

- (a) $(x - y)^2 = x^2 - y^2$
- (b) $(x + y)(x + y) = 2(x + y)$
- (c) $(x + y)(y - x) = xy - yx$
- (d) $(x - y)(x + y) = x^2 - y^2$

17) The ratio of pigs to chicken in a farm is 1 : 3. If there are 100 more chicken than pigs, how many pigs are there on the farm?

- (a) 30
- (b) 40
- (c) 50
- (d) 60

18) Solve for x: $5 - 3x = 2 + x$

- (a) $\frac{4}{3}$
- (b) $\frac{3}{4}$
- (c) $\frac{1}{4}$
- (d) $\frac{1}{3}$

19) If two numbers are added, the result is 139. If they are subtracted, the result is 65. What is the larger number between the two?

- (a) 118
- (b) 108
- (c) 102
- (d) 98



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20) 104 out of 130 students of a certain college are not living in the campus dormitory. What is the percentage of students who are living in the campus dormitory?

- (a) 10%
- (b) 15%
- (c) 20%
- (d) 25%



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