

Q. A boy starts walking to school at 7:30 a.m. at the rate of 3 miles per hour. At 7:40 a.m. his brother starts for school on his bicycle at 6 miles per hour. When will the boy on the bicycle overtake his brother?

A. 7:50 a.m.

Q. 36 is  $\frac{4}{7}$  of what number?

A. 63

Q. A businessman marked goods " $\frac{1}{3}$  off" and sold them at a margin of  $\frac{1}{3}$  of the selling price. What part of the cost was his margin?

A.  $\frac{1}{6}$

Q. When Mr. Ramos died,  $\frac{1}{3}$  of his estate was given to charity and  $\frac{1}{2}$  of the remainder to each of his two sons. If each son received ₱150,000, what was the value of his estate?

A. ₱450,000

Q. What is  $\frac{1}{2}\%$  equivalent to?

A. 0.005

Q. What number must be added to 6, 16 and 8 to get an average of 13?

A. 22

Q. Which of the following is heavier than 5 kilos of steel rod?

A. 6 kilograms of cotton balls

Q. 10 cats caught 10 rats in 10 seconds. How many cats are required to catch 100 rats in 100 seconds?

A. 10

Q. A tank was  $\frac{1}{2}$  full of water. After 420 gallons had been taken out, it was  $\frac{1}{8}$  full. Find the capacity of the tank?

A. 1120 gal.

Q. Which of these fractions is equal to  $\frac{3}{4}$ ?

A.  $\frac{21}{28}$

Q. Which of these is not a quadrilateral?

A. Triangle

Q. Mr. Santos gained 15%, based on cost, of selling  $\frac{3}{4}$  of a shipment of textiles. He sold the remainder at a loss of 10% of the cost. What percent of the cost did he gain on the entire shipment?

A. 5%

Q. If 30% of a number is 12.6, find the number?

A. 42

Q. Ramon has a horse and a carabao. The horse is  $\frac{2}{3}$  as old as the carabao.. The difference between their ages is 4 years. How old is the carabao?

A. 12 years

Q. The square root of 25 times the square root of 81 is?

A. 45

Q. A rectangular lot 60 ft. long and 30 ft. wide is to be surrounded by a fence with posts 6 ft. apart. If the corner posts cost ₱2.50 each and the remaining posts ₱1.50 each, what is the cost of all the posts?

A. ₱49.00

Q. What is a trapezoid?

A. Quadrilateral

Q. Which of the following has the greatest value?

20/16

Q. Which part of a right angle is an angular degree?

A. 1/90

Q. Which of the following is smaller than .0031

A. 0.00092

Q. What is  $2^{-1}$  equal to?

A. 1/2

Q. What is the geometric term for a line that has but one point in common with a circle?

A. Tangent

Q. A storekeeper bought three grades of pencils at ₱2.00, ₱3.00, and ₱4.00 a dozen respectively. If he paid a total of ₱76.50 for them, and bought the same number of each grade, how many pencils did he buy?

A. 306

Q. What is 111% equal to?

A. 1.11

Q. What kind of angle is inscribed in a semicircle?

A. Right angle

Q. The value of 2 to the fifth power is?

A.  $32 \sqrt{\phantom{x}}$

Q. When a number is added to its additive inverse, what is the sum equal to?

A. 0

Q. If two angles are vertical angles, what relationship exists between them?

A. Being supplementary

Q. What is the boiling point in Fahrenheit scale?

A.  $212^{\circ}$

Q. SMELL is to NOSE, as SOUND is to:

A. Ear

Q. elbow: arm : : knee : \_\_\_\_\_

A. walking

Q. In a foreign language:

MISD KUMP GOTH means MERRY CHRISTMAS DAD.

GOTH WUIM FREK KUMP means DAD IS MERRY TODAY.

KOMP WUIM FREK KUMP means MUM IS MERRY TODAY.

Which word means CHRISTMAS?

A. KUMP

Q. If ROBUST is coded as QNATRS in a certain language, which word would be coded as ZXCMP?

A. AYDNQ

Q. Pointing to a photograph, a man said, "I have no brother or sister but that man's father is my father's son." Whose photograph was it?

A. His son's

Q. If FRIEND is coded as HUMJTK, how can CANDLE be written in that code?

A. EDRIRL V

Q. Which of the following is most similar in meaning to sad:

A. Unhappy

Q. AZ, GT, MN, ?, YB

A. SH ✓

Q. If PALE is coded as 2134, EARTH is coded as 41590, how can is PEARL be coded in that language?

24153 ✓

Q. Jordan's cat is bigger than Amy's cat, but is smaller than Jenna's cat. Fiona's cat is the same size as Wendy's cat, which is bigger than Amy's cat, but smaller than Jordan's. If bigger cats are faster, but smaller cats are more obedient, which of the following lists the fastest and most obedient cat?

A. Amy & Jordan

Q. Peace : Chaos :: Creation : ?

A. Destruction

Q. AIRCRAFT is to TRANSPORT as NEWSPAPER is to:

A. Media

Q. BIRDS are to FLY as HORSE is to:

A. Trot

Q. If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code ?

A. CPNCBZ ✓

Q. Architect : Building :: Sculptor : ?

A. Statue ✓

Q. Poles : Magnet :: ? : Battery

A. Terminals

Q. In ancient Egypt, pyramid workers would say "gengro yatju" when wishing other pyramid workers "good building". Upon the pyramid workers' return, the children would ask "Ern yatju gengro?", which meant "Was building good"? The pyramid workers would either reply "Ern gengro" ("Was good building") or "Ern gangro yatju!" If gangro symbolises the opposite of gengro, what does "Ern gangro pohim" mean?

A. Was bad building

Q. A is the mother of B and C. If D is the husband of C. What is A to D?

A. Mother-in-law

Q. A man said to a lady, "Your mother's husband's sister is my aunt." How is the lady related to the man?

A. Sister