# GMAT Quantitative Section

**1.** Roy is now 4 years older than Erik and half of that amount older than Iris. If in 2 years, Roy will be twice as old as Erik, then in 2 years what would be Roy's age multiplied by Iris's age?

A. 8

B. 28

C. 48

D. 50

E. 52

**Answer(s):** C

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**2.** An investment yields an interest payment of $228 each month. If the simple annual interest rate is 9%, what is the amount of the investment?

A. $28,300

B. $30,400

C. $31,300

D. $32,500

E. $35,100

**Answer(s):** B

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**3.** X, Y, Z, and W are integers. The expression X-Y-Z is even and the Expression Y-Z-W is odd. If X is even what must be true?

A. Y-Z must be odd.

B. W must be even.

C. W must be odd.

D. W must be even.

E. Z must be odd

**Answer(s):** C

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**4.** Q is a prime number bigger than 10. What is the smallest positive number (except 1) that 3Q can be divided by equally?

A. 3 Q.

B. Q

C. 3

D. Q+3

E. 2Q

**Answer(s):** C

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**5.** In a box there are green balls, 3A + 6 red balls and 2 yellow ones.
If there are no other colors, what is the probability of taking out a green or a yellow ball?

A. 1/5.

B. 1/2.

C. 1/3

D. 1/4.

E. 2/3.

**Answer(s):** D

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**6.** Kelly used to get a 30% discount on movie tickets. When the price of the movie ticket increased by 50%, the amount of discount in dollars remained the same. What is Kelly's discount with the new Ticket price in percent terms?

A. 10%

B. 20%

C. 25%

D. 35%

E. 38%

**Answer(s):** B

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**7.** In a psychology school the grade of the students is determined by the following method: At the end of the first year the grade equals to twice the age of the student. From then on, the grade is determined by twice the age of the student plus half of his grade from the previous year. If Joey’s grade at the end of the first year is 40, what will be his grade at the end of the third year?

A. 44.

B. 56.

C. 62.

D. 75.

E. 80.

**Answer(s):** D

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**8.** A is a prime number (A>2). If C = A3, by how many different integers can C be equally divided?

A. 3.

B. 4.

C. 5.

D. 6

E. 7

**Answer(s):** B

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**9.** If X is a positive integer and (405) 4 is a multiple of 3X, what is the largest possible value of X?

A. 5.

B. 12.

C. 16.

D. 20

E. 26.

**Answer(s):** C

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**10.** N is a prime number bigger than 5. Which of the following expressions must be even?

A. (N+2)2.

B. N2+2.

C. N (N+2).

D. (N+1) (N+2).

E. (N – 2)2.

**Answer(s):** D

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**11.** The original price of a car was $25,200. Because the car owner thought he could get more money for the car, he increased the price of the car to 110% of its original price. After a week, the car had not sold, so the owner then discounted the price by 10%, and the car was finally sold. What price was the car sold for?

A. $25,200

B. $25,000

C. $24,948

D. $24,542

E. $23,658

**Answer(s):** C

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**12.** On a map, 1 inch represents 28 miles. How many inches would be necessary to represent a distance of 383.6 miles?

A. 5.2

B. 7.4

C. 13.7

D. 21.2

E. 28.7

**Answer(s):** C

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**13.** 15 Java programmers, working in a constant pace, finish a web page in 3 days. If after one day, 9 programmers quit, how many more days are needed to finish the remainder of the job?

A. 5.

B. 2.

C. 8.

D. 4.

E. 6.

**Answer(s):** A

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**14.** Tim and Élan are 90 miles away from one another. They are starting to move towards each other simultaneously, Tim at a speed of 10 Mph and Élan at a speed of 5 Mph. If every hour they multiply their speeds, what is the distance that Tim will pass until he meets Élan?

A. 30 miles.

B. 35 miles.

C. 45 miles.

D. 60 miles

E. 65 miles

**Answer(s):** D

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**15.** In a rectangular coordinate system, what is the area of a triangle whose vertices have the coordinates (4, 0), (6, 3), and (6, -3)?

A. 7.5

B. 7

C. 6.5

D. 6

E. 5.5

**Answer(s):** D

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**16.** For every X, the action [X] is defined: [X] is the greatest integer less than or equal to X. What is the value of [6.5] x [2/3] + [2] x 7.2 + [8.4] – 6.6?

A. 12.6.

B. 14.4.

C. 15.8.

D. 16.2.

E. 16.4.

**Answer(s):** C

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**17.** What is the decimal equivalent of (1/5 )2

A. 0.0032

B. 0.032

C. 0.00625

D. 0.003125

E. 0.0016

**Answer(s):** E

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**18.** How many four-digit numbers that do not contain the digits 3 or 6 are there?

A. 2401

B. 3584

C. 4096

D. 5040

E. 7200

**Answer(s):** B

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**19.** The telephone company wants to add an area code composed of 2 letters to every phone number. In order to do so, the company chose a special sign language containing 124 different signs. If the company used 122 of the signs fully and two remained unused, how many additional area codes can be created if the company uses all 124 signs?

A. 246

B. 248

C. 492

D. 15,128

E. 30,256

**Answer(s):** C

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**20.** The average (arithmetic mean) of seven numbers is 12.2. If the sum of four of these numbers is 42.8, what is the average of the other 3 numbers?

A. 12.4

B. 14.2

C. 16.8

D. 18.6

E. 19.2

**Answer(s):** B

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