GMAT Fractions Practice Test 3

Question 1

$$\frac{1}{\frac{5}{4} - 2.5} =$$

- ○ -0.8
- ○ -1.25
- ○ 1
- ○ 1.25
- ○ 0.8

Question 2

The sum $\frac{3}{8} + \frac{2}{9}$ is between

- ○ 0 and $\frac{1}{2}$
- ○ $\frac{1}{2}$ and $\frac{3}{4}$
- ○ $\frac{3}{4}$ and 1
- ○ 1 and $1\frac{1}{4}$
- ○ $1\frac{1}{4}$ and $1\frac{1}{2}$

Question 3

$1-\left(\frac{2}{3}-\frac{3}{4}\right)=$

- $\frac{8}{7}$
- $\frac{13}{12}$
- $\frac{12}{13}$
- $\frac{7}{8}$
- 0

Question 4

1) $\frac{1}{2+\frac{1}{3}}+\frac{1}{2-\frac{1}{3}}=$

(A) 1

(B) $\frac{1}{12}$

(C) $\frac{9}{8}$

(D) 4

(E) $\frac{36}{35}$

Question 5

) $\frac{\sqrt[3]{0.000064}}{(0.02)^2} =$

(A) 0.1
(B) 1
(C) 10
(D) 100
(E) 1000

Question 6

3) If $\left|\frac{y}{2} - \frac{1}{6}\right| < \frac{2}{3}$, then y could be all of the following EXCEPT

(A) $-\frac{4}{3}$

(B) $-\frac{5}{6}$

(C) 0

(D) $\frac{5}{6}$

(E) $\frac{4}{3}$

Question 7

4) $\frac{1}{30} + \frac{1}{60} + \frac{1}{120} + \frac{1}{240} =$

(A) $\frac{1}{15}$

(B) $\frac{1}{16}$

(C) $\frac{1}{450}$

(D) $\frac{2}{225}$

(E) $\frac{7}{480}$

Question 8

5) $\frac{1 - 0.2}{1 + 0.2} =$

(A) $\frac{1}{5}$

(B) $\frac{2}{3}$

(C) $\frac{2}{5}$

(D) $\frac{6}{25}$

(E) $\frac{24}{25}$

Question 9

6) Suppose you have access to a large vat of distilled water, several gallons large. You have two precise measuring pipettes, one to measure exactly 1/3 of an ounce and one to measure exactly 1/4 of an ounce. You can pour precisely measured amounts into a beaker, which initially is empty. You can use either pipette to remove distilled water from the vat or from the beaker and use either pipette to dispense water into either of those receptacles, but you cannot use either pipette to take any quantity of distilled water other than the amount for which it is designed. Which of the following represents, in ounces, a precise amount of distilled water you can transfer from the vat to the beaker?

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

II. $\frac{1}{7}$

III. $\frac{1}{12}$

(A) I only
(B) III only
(C) I and III only
(D) II and III only
(E) I, II, and III

Question 10

7) If $\frac{0.2}{0.3 - x} = 4$, then x =

(A) $\frac{1}{4}$

(B) $\frac{1}{5}$

(C) $\frac{1}{10}$

(D) $\frac{3}{20}$

(E) $\frac{3}{40}$

Question 11

8) $\frac{(0.08)(3.3)}{(0.015)(0.02)^2} =$

(A) 440
(B) 6,600
(C) 13,200
(D) 44,000
(C) 132,000

Question 12

9) $\left(\frac{0.9996}{0.98} - 1\right) =$

(A) $\frac{1}{50}$

(B) $\frac{1}{98}$

(C) $\frac{2}{49}$

(D) $\frac{3}{49}$

(E) $\frac{3}{196}$

Question 13

10) If $\frac{3}{1 - \frac{6}{c}} = 12$, then c =

(A) 2
(B) 4
(C) 6
(D) 8
(E) 12

Question 14

Which fraction is greater, $\frac{3}{4}$ or $\frac{8}{11}$?

Question 15

Which fraction is greater, $\frac{7}{30}$ or $\frac{21}{91}$?

Question 16

If the average of the 4 numbers (n+2), (2n-3), (4n+1) and (7n+4) is 15, what is the value of n?

(A) 11/14
(B) 4
(C) 32/7
(D) 11
(E) 13

Question 17

A small water pump would take 2 hours to fill an empty tank. A larger pump would take 1/2 hour to fill the same tank. How many hours would it take both pumps, working at their respective constant rates, to fill the empty tank if they began pumping at the same time?

(A) 1/4
(B) 1/3
(C) 2/5
(D) 5/4
(E) 3/2

Question 18

In a certain board game, a stack of 48 cards, 8 of which represent shares of stock, are shuffled and then placed face down. If the first 2 cards selected do not represent shares of stock, what is the probability that the third card selected will represent a share of stock?

(A) 1/8
(B) 1/6
(C) 1/5
(D) 3/23
(E) 4/23

Question 19

The total price of a basic computer and printer is 2,500 dollars. If the same printer had been purchased with an enhanced computer whose price was 500 dollars more than the price of the basic computer, then the price of the printer would have been 1/5 of that total. What was the price of the basic computer?

(A) 1500
(B) 1600
(C) 1750
(D) 1900
(E) 2000

Question 20

Malik's recipe for 4 servings of a certain dish requires 1 1/2 cups of pasta. According to this recipe, what is the number of cups of pasta that Malik will use the next time he prepares this dish?

1. The next time he prepares this dish, Malik will make half as many servings as he did the last time he prepared the dish.
2. Malik used 6 cups of pasta the last time he prepared this dish.

(A) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient to answer the question asked.
(B) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient to answer the question asked.
(C) BOTH statements (1) and (2) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient to answer the question asked.
(D) EACH statement ALONE is sufficient to answer the question asked.
(E) Statements (1) and (2) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.