GMAT Fractions Practice Test 2

Question 1

Simplify the following into a single fraction: $\dfrac{x}{y} + \dfrac{ab}{cd}$

Possible Answers:

$\dfrac{ycd}{xcd + yab}$

$\dfrac{xcd + yab}{ycd}$

$\dfrac{ycd}{xab}$

Not enough information provided.

$\dfrac{xab}{ycd}$

Question 2

Simplify the following expression: $\dfrac{5}{6} + \dfrac{7}{11} + \dfrac{4}{3}$

Possible Answers:

$\dfrac{184}{62}$

$\dfrac{181}{61}$

$\dfrac{183}{69}$

$\dfrac{185}{66}$

$\dfrac{182}{64}$

Question 3

Clara wants to make sixteen batches of her world famous Icky Sticky Ooey Gooey Chocolate Bomb Brownies. Each batch of brownies requires $\dfrac{3}{4}$ cups of flour, $1\dfrac{1}{2}$ cups of sugar, and $1\dfrac{3}{4}$ cups of bittersweet chocolate.

She has 14 cups of flour, 22 cups of sugar, and 25 cups of bittersweet chocolate on hand; assuming other ingredients are not an issue, can Clara make sixteen batches of brownies?

Possible Answers:

No, because she does not have enough flour or chocolate

No, because she does not have enough sugar or flour

No, because she does not have enough sugar or chocolate

Yes

No, because she does not have enough flour, sugar, or chocolate

Question 4

Suzanne wants to make fifteen batches of her world famous Icky Sticky Ooey Gooey Oatmeal Peanut Butter Cookies. Each batch of cookies requires $1\frac{1}{2}$ cups of flour, $1\frac{1}{4}$ cups of sugar, and $1\frac{3}{4}$ cups of oatmeal, among other ingredients.

She has 20 cups of flour, 24 cups of sugar, and 30 cups of oatmeal on hand; assuming other ingredients are not an issue, can Suzanne make fifteen batches of brownies?

Possible Answers:

No, because she does not have enough oatmeal

No, because she does not have enough flour

Yes

No, because she does not have enough sugar

No, because she does not have enough flour, sugar, or oatmeal

Question 5

Three fifths of a number is twenty greater than one tenth of the same number. What is that number?

Possible Answers:

14

40

The correct answer is not among the other responses.

10

50

Question 6

Add three fourths of a number to one eighth of a number to get 56. What is the number?

Possible Answers:

49

64

The correct answer is not given among the other responses.

35

40

Question 7

Divide two sevenths of a number by one half to get 40. What is the number?

Possible Answers:

140

$91\frac{3}{7}$

70

280

$22\frac{6}{7}$

Question 8

Compute the following:

$$\left(\frac{4}{5} \div \frac{20}{15}\right) + \frac{16}{45}$$

Possible Answers:

$\frac{41}{45}$

$\frac{4}{5}$

$3\frac{16}{45}$

$\frac{4}{15}$

$\frac{43}{45}$

Question 9

Which of the following is equal to $\frac{2}{3}$?

Possible Answers:

$$\frac{5}{6} + \frac{2}{9}$$

$$\frac{15}{9} - 1$$

$$\frac{4}{3} - \frac{1}{6}$$

$$\frac{7}{6} - \frac{4}{6}$$

$$\frac{8}{3} - \frac{5}{3}$$

Question 10

Simplify the following expression: $\frac{5}{9} \div \frac{4}{3}$

Possible Answers:

$$\frac{5}{12}$$

$$\frac{1}{3}$$

$$\frac{7}{12}$$

$$\frac{1}{2}$$

$$\frac{2}{3}$$

Question 11

When positive integer n is divided by 16, the remainder is 15. What is the remainder when n is divided by 8 ?

Possible Answers:

7

6

3

4

5

Question 12

Simplify the following expression: $\dfrac{3}{4} - \dfrac{5}{8} + \dfrac{3}{16}$

Possible Answers:

$\dfrac{1}{2}$

$\dfrac{5}{16}$

$\dfrac{4}{3}$

$\dfrac{3}{2}$

$\dfrac{5}{8}$

Question 13

When positive integer n is divided by 12, the remainder is 7. What is the remainder when n is divided by 3?

Possible Answers:

4

5

2

1

3

Question 14

a and b are positive integers and $\dfrac{a}{b} = 36.24$. What is the remainder?

Possible Answers:

45

34

17

42

22

Question 15

What is $\dfrac{(5-2)!}{(3-3)!}$?

Possible Answers:

2

Does not exist

0

1

6

Question 16

$\dfrac{3}{8}$ of a number, n, is 24. What is n?

Possible Answers:

9

8

64

72

Question 17

$\frac{5}{16}$ of a number, n, is 125. What is the value of n?

Possible Answers:

625

$39\frac{1}{6}$

200

400

Question 18

Solve:

$$\frac{3}{8} + \frac{2}{9} =$$

Possible Answers:

$\frac{5}{8}$

$\frac{43}{72}$

$\frac{5}{17}$

$\frac{5}{9}$

$\frac{6}{72}$

Question 19

Simplify the following into a single fraction.

$$\frac{a}{b} + \frac{6a}{7c}$$

Possible Answers:

$$\frac{a(7c + 6b)}{7bc}$$

$$\frac{7a}{7c + b}$$

$$\frac{a}{7bc}$$

$$\frac{a}{bc}$$

None of the other answers.

Question 20

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

○ $-\frac{1}{3}$

○ $-\frac{1}{2}$

○ $-\frac{1}{12}$

○ $\frac{1}{12}$

○ $\frac{1}{3}$