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FRACTIONS

By how much does 7/(8/9) exceeds (7/8)/9 ?
a) 2 5/8
b) 3 1/9
c) 7 7/9
d) 9 1/7

ANS:**C**

Which of the following fraction is smallest?

a. $\dfrac{23}{28}$

b. $\dfrac{14}{15}$

c. $\dfrac{15}{19}$

d. $\dfrac{21}{24}$

ANS:C

0.0015÷ ? = 0.003
a. 0.05
b. 0.005
c. 0.5
d. 5

ANS:**C**

0.363*0.522+0.363*0.478 = ?
a. 0.522
b. 0.845
c. 0.363
d. 0.985

ANS:C

If 7125¸1.25= 5700< the value of 712.5÷12.5 is:

a. 5.7

b. 57

c. 570

d. .57

ANS:B

The value of $\underline{34.31*0.473*1.567}$ is close to

$\qquad$ 0.0673*23.25*7.57

a. 2.0
b. 1.15
c. 2.05
d. 2.15

ANS:D

Evaluate $\dfrac{(5.68)^2 - (4.32)^2}{5.68 - 4.32}$

a. 8
b. 9
c. 10
d. 12

ANS:**C**

PROBLEM 8:

If 5.51*10^k = 0.0551, then the value of k is:

a. –4

b. –3

c. –2

d. –1

ANS:**C**

The value of $\dfrac{(2.502+0.064)^2 - (2.502-0.064)^2}{2.502*0.064}$

a. 4

b. .235

c. .25

d. 3

ANS:**A**

The value of $\dfrac{4.5*1.8+4.5*8.2}{1.5*4.5+1.5*5.5}$

a. 10

b. 8

c. 5

d. 3

ANS:**D**

The value of $\dfrac{(.02)^2 + (0.52)^2 + (0.035)^2}{(0.002)^2 + (0.052)^2 + (0.0035)^2}$

a. 100

b. 1000

c. .001

d. .0001

ANS:A

PROBLEM 12:

Compare 3/5 and 4/7

A. 3/5 > 4/7

B. 3/5 < 4/7

C. 3/5 = 4/7

D. None of these

ANS:A

Which of the following fraction is arranged in ascending order of their value?
a) 1/4, 2/7, 3/4, 4/7, 5/7, 6/5
b) 1/4, 2/7, 4/7, 5/7, 3/4, 6/5
c) 2/7, 1/4, 4/7, 3/4, 5/7, 6/5
d) 2/7, 1/4, 4/7, 5/7, 3/4, 6/5

ANS:**B**

Which of the following fraction is greater than 4/5 and less than 6/7?
a) 2/3
b) 3/4
c) 5/6
d) 10/11

ANS:**C**

Which of the following fraction does not lie between 5/6 and 8/15?
a) 2/3
b) 3/4
c) 4/5
d) 6/7

ANS:**D.**

If two-third of two-seventh of a number is 60, then two-fifteenth of that number is

a)60

b)42

c)315

d)21

ANS:**B**

By how much is four-seventh of 560 greater than five-eighth of 400?

a) 210

b) 70

c) 90

d) 110

ANS:**B**

PROBLEM 18:

There are two fractions such that fraction X is thrice the fraction Y and their product is 25/12. Which of the following is equal to Y?
a) 5/6
b) 4/5
c) 3/4
d) 7/9

ANS:**A**

The sum of the numerator and denominator of a fraction is 13. If we add 3 and 9 to numerator and denominator respectively, it becomes 2/3. The fraction is:
a) 5/8
b) 6/7
c) 7/6
d) 8/5

ANS:**C**

The denominator of a fraction exceeds its numerator by 7. If the numerator as well as the denominator is increased by 9, the fraction becomes 2/3. Which of the following is the original fraction?
a) 5/12
b) 4/11
c) 6/13
d) none of these

ANS:**A**