

Explore | Expand | Enrich



FRACTIONS



PROBLEM 1:



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



PROBLEM 2:



Which of the following fraction is smallest?

- a. <u>23</u> 28
- b. <u>14</u>
- c. <u>15</u> 19
- d. <u>21</u> 24



PROBLEM 3:



$$0.0015 \div ? = 0.003$$

- a. 0.05
- b. 0.005
- c. 0.5
- d. 5



PROBLEM 4:



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



PROBLEM 5:



If $7125_1.25 = 5700 <$ the value of $712.5 \div 12.5$ is:

- a. 5.7
- b. 57
- c. 570
- d. .57

ANS:B



PROBLEM 6:



The value of <u>34.31*0.473*1.567</u> is close to 0.0673*23.25*7.57

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

ANS:D



PROBLEM 7:



Evaluate $(5.68)^2 - (4.32)^2$ 5.68- 4.32

a. 8

b. 9

c. 10

d. 12



PROBLEM 8:



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

- a. –4
- b. -3
- c. -2
- d. –1



PROBLEM 9:



The value of (2.502+0.064)² - (2.502-0.064)² 2.502*0.064

- a. 4
- b. .235
- c. .25
- d. 3



PROBLEM 10:



The value of <u>4.5*1.8+4.5*8.2</u> 1.5*4.5+1.5*5.5

- a. 10
- b. 8
- c. 5
- d. 3

ANS:**D**



PROBLEM 11:



The value of
$$(.02)^2 + (0.52)^2 + (0.035)^2$$

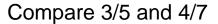
 $(0.002)^2 + (0.052)^2 + (0.0035)^2$

- a. 100
- b. 1000
- c. .001
- d. .0001



PROBLEM 12:





- **A.** 3/5 > 4/7
- **B.** 3/5 < 4/7
- **C.** 3/5 = 4/7
- **D.** None of these



PROBLEM 13:





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



PROBLEM 14:





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



PROBLEM 15:





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.



PROBLEM 16:





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



PROBLEM 17:



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



PROBLEM 19:



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



PROBLEM 20:



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

