

$$\begin{aligned}
 1. \quad & \frac{0,21}{0,7} + \left(\frac{0,4}{0,15} : \frac{0,8}{0,3} \right) - 1,3 \\
 &= \frac{21}{70} + \left(\frac{40}{15} : \frac{8}{3} \right) - \frac{13}{10} \\
 &= \frac{3}{10} + \left(\frac{40}{15} \cdot \frac{3}{8} \right) - \frac{13}{10} \\
 &= \frac{3}{10} + 1 - \frac{13}{10} = \frac{3-13}{10} + 1 \\
 &= \frac{-10}{10} + 1 = -1 + 1 = 0
 \end{aligned}$$

Cevap: B

$$\begin{aligned}
 2. \quad & \frac{0,0009 + 0,003 + (0,3)}{0,0003} = \\
 &= \frac{0,0009 + 0,0009}{0,0003} = \\
 &= \frac{0,0018}{0,0003} = \frac{18}{3} = 6
 \end{aligned}$$

Cevap: C

$$\begin{aligned}
 3. \quad & 4,075 = 4 \frac{75}{1000} = 4 \frac{3}{40} \\
 &= \frac{163}{40}
 \end{aligned}$$

Cevap: C

$$\begin{aligned}
 4. \quad & \frac{44}{0,44} \cdot \frac{0,7}{7} \cdot \frac{0,55}{55} = \\
 &= \frac{1}{1} \cdot \frac{1}{10} \cdot \frac{1}{100} = \frac{1}{1000} = 0,001
 \end{aligned}$$

Cevap: D

$$\begin{aligned}
 5. \quad & \frac{1}{0,002} \cdot (0,08 + 0,36) \\
 &= \frac{1}{0,002} \cdot (0,44) = \frac{0,44}{0,002} \\
 &= \frac{440}{2} = 220
 \end{aligned}$$

Cevap: C

6. $0,5 = 0,500 < 0,504$ Doğru
 $2,867 < 2,859$ Yanlış
 $1,496 < 1,498$ Doğru
 $5,1027 < 5,103$ Doğru

Uyarı : Bu tip sorularda önce tam kısımlara, daha sonra virgülden hemen sonraki basamaklara sırasıyla bakılıp büyüklük - küçüklük incelenir.

Cevap: B

$$7. \frac{0,00068}{0,017} = \frac{\cancel{68}^4}{\cancel{1700}_1} = \frac{\cancel{4}^1}{25}$$

$$= \frac{1}{25}$$

Cevap: B

$$8. \frac{0,12}{0,3} + \frac{0,015}{0,5} =$$

$$= \frac{\cancel{12}^2}{\cancel{30}_5} + \frac{\cancel{15}^3}{\cancel{500}_{100}} = \frac{2}{5} + \frac{3}{100}$$

$$= 0,4 + 0,03 = 0,40 + 0,03 = 0,43$$

Cevap: C

$$9. 0,20555 \dots = 0,20\bar{5}$$

$$\frac{205 - 20}{900} = \frac{\cancel{185}^{37}}{\cancel{900}_{180}} = \frac{37}{180}$$

Cevap: C

$$10. 2,2353535 \dots = 2,235\bar{3}$$

$$\frac{22353 - 223}{9900} = \frac{\cancel{22130}^{37}}{\cancel{9900}_{180}}$$

$$= \frac{2213}{180}$$

Cevap: C

$$11. \frac{30}{3} + \frac{16}{4} - \frac{60}{6} =$$

$$= 10 + 4 - 10 = 4$$

Cevap: D

$$12. \underbrace{(0,783 + 0,217)}_1 \cdot \underbrace{(0,3 + 0,7)}_1 =$$

$$= 1 \cdot 1 = 1$$

Cevap: A

$$13. \frac{\frac{30}{1} + \frac{40}{1}}{0,7} = \frac{70}{0,7} = \frac{700}{7} = 100$$

Cevap: A

$$14. \frac{0,888}{0,222} = \frac{888}{222} = 4$$

Cevap: D

$$15. \frac{10}{1} + \frac{40}{2} + \frac{20}{2} =$$

$$= 10 + 20 + 10 = 40$$

Cevap: A

$$16. \underbrace{(4,5 + 7,5)}_{12} - \underbrace{(5,2 + 3,8)}_9 =$$

$$= 12 - 9 = 3$$

Cevap: C

$$17. \left(\frac{0,24}{0,6} \right) \cdot \frac{5}{2} - 1 =$$

$$\begin{array}{r} 1 \\ \cancel{12} \quad 1 \\ \cancel{24} \quad \cancel{5} \\ \cancel{60} \quad \cancel{2} \\ \cancel{12} \quad 1 \\ 1 \end{array} \cdot \frac{5}{2} - 1 = 1 - 1 = 0$$

Cevap: B

$$18. \frac{0,2 \cdot 0,005}{0,0075 \cdot 0,04} = \frac{0,001}{0,0003} = \frac{10}{3}$$

Cevap: C

$$19. \frac{a}{b} = 0,7\bar{5} = \frac{75 - 7}{90}$$

$$\Rightarrow \frac{a}{b} = \frac{34}{45} = \frac{\cancel{68}}{\cancel{90}} = \frac{34}{45}$$

 $\Rightarrow a = 34$ ve $b = 45$ alınırsa

 $a + b = 34 + 45 = 79$ olur.

Cevap: C

$$20. \frac{0,3 + 5,9}{3,29 - 0,19} = \frac{6,2}{3,10}$$

$$= \frac{620}{310} = \frac{62}{31} = 2$$

Cevap: C