

DGS - RASYONEL SAYILAR - DGS

EN ÇOK ÇIKAN VE ÇIKMASI MUHTEMEL SORU TİPİLERİ

$$1. \frac{(17 + \frac{1}{15}) - (16 + \frac{1}{15})}{(18 - \frac{1}{16}) - (15 - \frac{1}{16})} =$$

A) $\frac{1}{2}$

B) $\frac{1}{3}$

C) $\frac{1}{4}$

D) $\frac{1}{5}$

E) $\frac{1}{6}$

$$2. \frac{(\frac{2}{3} - \frac{3}{4}) - (\frac{1}{4} - \frac{1}{3})}{(\frac{4}{5} - \frac{2}{3}) + (\frac{1}{5} - \frac{4}{3})} =$$

A) 0

B) 1

C) 2

D) 3

E) 4

$$3. \frac{\left(1 + \frac{1}{3}\right) \cdot \left(3 - \frac{1}{4}\right)}{\left(5 - \frac{1}{5}\right)} =$$

A) $\frac{11}{72}$

B) $\frac{13}{72}$

C) $\frac{55}{72}$

D) $\frac{89}{72}$

E) $\frac{91}{72}$

$$4. \frac{\frac{1}{3} - \frac{1}{12}}{\frac{1}{5} - \frac{1}{15}} =$$

A) $\frac{15}{8}$

B) $\frac{13}{8}$

C) $\frac{11}{8}$

D) $\frac{9}{8}$

E) $\frac{7}{8}$

5.
$$\frac{\left(3 + \frac{1}{3}\right) - \left(3 - \frac{2}{3}\right)}{\left(\frac{2}{3} - \frac{1}{2}\right) + \left(\frac{1}{2} - \frac{1}{3}\right)} =$$

A) -2

B) -1

C) 1

D) 2

E) 3

6.
$$\frac{33}{8} \left(\frac{16}{11} - \frac{2}{3} \right) =$$

A) 1

B) 2

C) 3

D) 4

E) 5

$$7. \frac{\left(7 + \frac{5}{3}\right) \left(1 - \frac{2}{13}\right)}{\frac{4}{3} + \frac{1}{2}} =$$

A) 2

B) 4

C) 6

D) 8

E) 10

$$8. \frac{\left(2 - \frac{1}{3}\right) + \left(1 - \frac{2}{3}\right)}{\left(3 - \frac{2}{5}\right) + \left(\frac{2}{5} - 4\right)} =$$

A) 3

B) 2

C) 1

D) -1

E) -2

9.
$$\frac{\frac{1}{2} - \frac{1}{3}}{\frac{1}{2} + \frac{1}{3}} =$$

A) $\frac{1}{6}$

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

C) $\frac{1}{3}$

D) $\frac{2}{3}$

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

10.
$$\frac{1 - \frac{1}{3} \cdot \left(1 + \frac{1}{2}\right)}{\left(1 - \frac{1}{3}\right) + \left(1 + \frac{1}{3}\right)} =$$

A) $\frac{1}{2}$

B) $\frac{1}{4}$

C) 2

D) 4

E) 8

11.
$$\frac{1 - \frac{1}{12}}{2 - \frac{7}{9}} \cdot \left(5 - \frac{7}{3}\right) =$$