



Find the sum of the following :

1) $\frac{1}{30} + \frac{1}{42} + \frac{1}{56} + \frac{1}{72} + \frac{1}{90} + \frac{1}{110} = ?$

a) $\frac{6}{55}$

b) $\sqrt{2} \frac{2}{27}$

c) $\frac{5}{27}$

d) $\frac{1}{9}$

2) Find the sum of the following:

$\frac{1}{9} + \frac{1}{6} + \frac{1}{12} + \frac{1}{20} + \frac{1}{30} + \frac{1}{42} + \frac{1}{56} + \frac{1}{72}$

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

b) 0

c) $\frac{1}{9}$

d) $\frac{1}{2520}$

3) $\left(\frac{1}{2} - \frac{1}{4} + \frac{1}{5} - \frac{1}{6}\right) \div \left(\frac{2}{5} - \frac{5}{9} + \frac{3}{5} - \frac{7}{18}\right),$

a) $5 \frac{1}{10}$

b) $2 \frac{1}{18}$

c) $3 \frac{1}{6}$

d) $3 \frac{3}{10}$

4) $\frac{1}{30} + \frac{1}{42} + \frac{1}{56} + \frac{1}{72} + \frac{1}{90} + \frac{1}{110} = ?$

a) $\sqrt{2} \frac{2}{27}$

b) $\frac{1}{9}$

c) $\frac{5}{27}$

d) $\frac{6}{55}$





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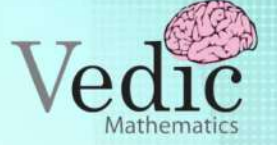
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5) $\left(\frac{5}{2} + \frac{3}{2}\right) \left(\frac{25}{4} - \frac{15}{4} + \frac{9}{4}\right)$ is equal to:

- a) 38 b) 19 c) 37 d) 36

6) $\frac{-\frac{1}{2} - \frac{2}{3} + \frac{4}{5} - \frac{1}{3} + \frac{1}{5} + \frac{3}{4}}{\frac{1}{2} + \frac{2}{3} - \frac{4}{3} + \frac{1}{3} - \frac{1}{5} - \frac{4}{5}}$ is simplified to :

- a) $-\frac{10}{3}$ b) $-\frac{3}{10}$ c) 1 d) -2

7) $\left(\frac{1}{3.5} + \frac{1}{5.7} + \frac{1}{7.9} + \frac{1}{9.11} + \frac{1}{11.13} + \frac{1}{13.15}\right)$ is equal to :

- a) $\frac{2}{45}$ b) $\frac{4}{45}$ c) $\frac{7}{45}$ d) $\frac{2}{15}$

8) $\frac{1}{1 \times 6} + \frac{1}{6 \times 11} + \frac{1}{11 \times 16} + \frac{1}{16 \times 21} = ?$

- a) $\frac{3}{21}$ b) $\frac{8}{42}$ c) $\frac{2}{21}$ d) $\frac{20}{21}$

9) $3\frac{2}{5} \times 12\frac{5}{8} - 2\frac{1}{5} \times 5\frac{1}{4} = ?$

- a) $35\frac{1}{5}$ b) $32\frac{5}{8}$ c) $31\frac{3}{8}$ d) $32\frac{2}{5}$ e) $33\frac{1}{8}$





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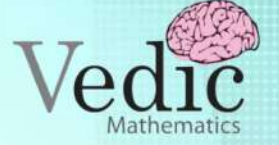
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10) $32\frac{3}{4} + 28\frac{1}{2} \times 5\frac{1}{3} - 12\frac{1}{6} = ? + 5\frac{1}{4}$

- a) $171\frac{3}{2}$ b) $167\frac{1}{3}$ c) $166\frac{1}{12}$ d) $161\frac{1}{5}$ e) $172\frac{7}{12}$

11) $\frac{-4}{5} + \frac{7}{10} - \frac{8}{15} - \frac{9}{20} = ?$

- a) $2\frac{4}{50}$ b) $3\frac{5}{40}$ c) $1\frac{5}{60}$ d) $4\frac{1}{30}$ e) $5\frac{5}{20}$

12) $\frac{3}{4} + \frac{7}{8} + \frac{11}{12} + \frac{13}{16} = \frac{?+1}{48}$

- a) 160 b) 140 c) 150 d) 130

13) $\frac{17}{14} \times \frac{784}{361} \div \frac{70}{209} = ?$

- b) 9 b) 8 c) 5 d) 6 e) 7

14) $11160 \div 45 \div 8 = ?$

- a) 35 b) 32 c) 33 d) 31 e) 41

15) $462 \div 8 \div 0.75 = ?$

- a) 77 b) 75 c) 78 d) 68 e) 72





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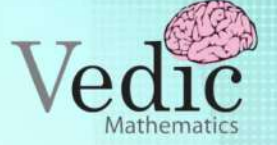
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16) $\frac{1287}{1645} \times \frac{235}{572} \div 3 \frac{15}{16} = ?$

- a) $\frac{52}{441}$ b) $\frac{55}{441}$ c) $\frac{36}{441}$ d) $\frac{35}{441}$ e) $\frac{33}{441}$

17) $\frac{5}{6} \div \frac{6}{7} \times ? - \frac{8}{9} \div 1 \frac{3}{5} + \frac{3}{4} \times 3 \frac{1}{3} = 2 \frac{7}{9}$

- a) $\frac{7}{6}$ b) $\frac{6}{7}$ c) 12 d) None of these

18) $\frac{5}{8} + \frac{1}{4} + \frac{7}{12} = ?$

- a) $1 \frac{11}{24}$ b) $1 \frac{13}{24}$ c) $1 \frac{9}{26}$ d) $1 \frac{7}{24}$ e) None of these

18) $(3584 \div 32) - 11 = \sqrt{?}$

- a) 10021 b) 12001 c) 10221 d) 10201

19) $(8423 + 3120 + 6543) \div (1536 + 377 + 189) = ?$

- a) 5 b) 14 c) 9 d) 18 e) 3

20) $121 \div \left(\frac{7}{5} \times \frac{3}{8} \times \frac{4}{5} \right) = ?$

- a) 168 b) 288 c) 208 d) 298 e) 198





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