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Spardhaguru Current affairs



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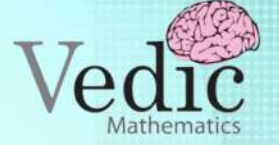
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1) $\frac{2}{2 + \frac{2}{3 + \frac{2}{3 + \frac{2}{3}}}} \times 0.39$ is simplified to :

- a) None of these b) 6
c) 2 d) $\frac{1}{3}$

2) $\frac{4\frac{2}{7} - \frac{1}{2}}{3\frac{1}{2} + 1\frac{1}{7}} \div \frac{1}{2 + \frac{1}{2 + \frac{1}{5 - \frac{1}{5}}}}$ is equal to :

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

3) Find the value of $\frac{2}{1 + \frac{1}{1 - \frac{1}{2}}} \times \frac{3}{\frac{5}{6} \text{ of } \frac{3}{2} \div 1\frac{1}{4}}$

- a) 2 b) 4
c) 8 d) 6

4) Simplify : $1 + \frac{1}{1 + \frac{2}{2 + \frac{3}{1 + \frac{4}{5}}}}$

- a) $1\frac{21}{17}$ b) $1\frac{6}{17}$
c) $1\frac{5}{7}$ d) $1\frac{11}{17}$

5) The value of $1 - \frac{a}{1 - \frac{1}{1 + \frac{a}{1 - a}}}$

- a) 0 b) 1
c) $1 - a$ d) a

6) The value of $1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \frac{2}{3}}}}$

- a) $\frac{8}{5}$ b) $\frac{34}{21}$
c) $\frac{17}{3}$ d) $\frac{21}{13}$

7) $\frac{13}{48}$ is equal to :

- a) $\frac{1}{3 + \frac{1}{1 + \frac{1}{2 + \frac{1}{4}}}}$ b) $\frac{1}{3 + \frac{1}{1 + \frac{1}{1 + \frac{1}{8}}}}$
c) $\frac{1}{2 + \frac{1}{1 + \frac{1}{8}}}$ d) $\frac{1}{3 + \frac{1}{1 + \frac{1}{16}}}$

8) The simplification of $\frac{5}{3 + \frac{3}{1 - \frac{2}{3}}}$ gives

- a) $\frac{3}{5}$ b) $\frac{5}{12}$
c) $\frac{5}{3}$ d) 5

9) On simplification the expression

$\frac{4\frac{1}{7} - 2\frac{1}{7}}{3\frac{1}{2} + 1\frac{1}{7}} \div \frac{1}{2 + \frac{1}{2 + \frac{1}{5 - \frac{1}{5}}}}$ is equal to

- a) $\frac{14}{65}$ b) $\frac{56}{53}$
c) $\frac{24}{53}$ d) $\frac{28}{65}$





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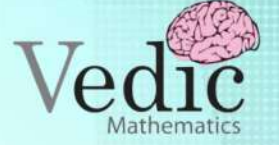
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10) The value of $4 - \frac{5}{1 + \frac{1}{3 + \frac{1}{2 + \frac{1}{4}}}}$ is :

- a) $\frac{1}{32}$ b) $\frac{1}{16}$
c) $\frac{1}{64}$ d) $\frac{1}{8}$

11) Simplify : $1 + \frac{4}{2 + \frac{3}{5 - \frac{1}{2}}} - \frac{1}{2} (10 \div 2)$

- a) $-\frac{1}{2}$ b) $-\frac{15}{2}$
c) 0 d) 1

12) The value of $1 + \frac{1}{1 + \frac{2}{3 + \frac{4}{5}}}$ is :

- a) $\frac{2}{19}$ b) $\frac{48}{29}$
c) $\frac{8}{19}$ d) $\frac{12}{29}$

13) $1 + \frac{1}{1 + \frac{1}{2}}$ is equal to :

- a) $\frac{5}{3}$ b) $\frac{2}{3}$
c) $\frac{3}{2}$ d) 3

14) If $2 = x + \frac{1}{1 + \frac{1}{3 + \frac{1}{4}}}$, then the value of x is:

- a) $\frac{12}{17}$ b) $\frac{13}{17}$
c) $\frac{21}{17}$ d) $\frac{18}{17}$

15) Simplify : $1 + \frac{2}{1 + \frac{3}{1 + \frac{4}{5}}}$

- a) $\frac{3}{7}$ b) $\frac{7}{5}$
c) $\frac{4}{7}$ d) $\frac{7}{4}$

16) If $x = 1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{2}}}$ then , the value of

- $2x + \frac{7}{4}$ is :
a) 6 b) 5
c) 4 d) 3

17) The simplified value of :

$$\left[\left(1 + \frac{1}{10 + \frac{1}{10}} \right) \times \left(1 + \frac{1}{10 + \frac{1}{10}} \right) - \left(1 - \frac{1}{10 + \frac{1}{10}} \right) \times \left(1 - \frac{1}{10 + \frac{1}{10}} \right) \right] \div \left[\left(1 + \frac{1}{10 + \frac{1}{10}} \right) \left(1 - \frac{1}{10 + \frac{1}{10}} \right) \right]$$

a) $\frac{90}{101}$ b) 2
c) $\frac{100}{101}$ d) $\frac{4040}{10101}$

18) Simplify : $\frac{19}{43} \div \frac{1}{2 + \frac{1}{3 + \frac{1}{1 + \frac{1}{4}}}}$

- a) $\frac{38}{43}$ b) $\frac{43}{19}$
c) $\frac{19}{43}$ d) 1

19) The value of $\frac{2\frac{1}{3} - 1\frac{2}{11}}{3 + \frac{1}{3 + \frac{1}{3 + \frac{1}{3}}}}$ is :

- a) $\frac{116}{109}$ b) 1
c) $\frac{109}{38}$ d) $\frac{38}{109}$





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20) $\frac{5\frac{9}{14}}{5 + \frac{3}{3 + \frac{1}{\frac{3}{5}}}}$ is equal to :

- a) 2.5
c) 1.5

- b) 2
d) 1

