



spardhaguru2022



Spardhaguru Current affairs



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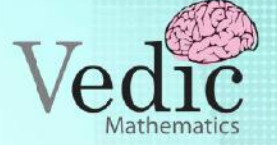
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Continue fraction Easy Level

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

a) $1 \frac{11}{17}$

b) $1 \frac{5}{7}$

c) $1 \frac{6}{17}$

d) $1 \frac{21}{17}$

4) If $X = 1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{2}}}}}$ then, the

value of $2x + \frac{7}{4}$ is :

a) 3

b) 4

c) 5

d) 6

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

a) $\frac{7}{4}$

b) $\frac{4}{7}$

c) $\frac{7}{5}$

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

5) $\frac{19}{43} \div \frac{1}{2 + \frac{1}{3 + \frac{1}{1 + \frac{1}{4}}}}$

a) 1

b) $\frac{19}{43}$

c) $\frac{43}{19}$

d) $\frac{38}{43}$

3) $\frac{1}{3 + \frac{1}{2 - \frac{1}{\frac{7}{9}}}} + \frac{17}{22}$

a) $\frac{12}{22}$

b) $\frac{22}{5}$

c) $\frac{5}{22}$

d) 1

6) $\frac{5}{3 + \frac{3}{1 - \frac{2}{3}}}$

a) 5

b) $\frac{5}{3}$

c) $\frac{5}{12}$

d) $\frac{3}{5}$





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7) If $2 = x + \frac{1}{1 + \frac{1}{3 + \frac{1}{4}}}$

a) $\frac{18}{17}$

b) $\frac{21}{17}$

c) $\frac{13}{17}$

d) $\frac{12}{17}$

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

a) 6

b) 8

c) 4

d) 2

9) $1 + \frac{4}{2 + \frac{3}{5 - \frac{1}{2}}} - \frac{1}{2} (10 \div 2)$

a) 1

b) 0

c) $-\frac{15}{2}$

d) $-\frac{1}{2}$





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

11) Simplifies to :

a) $\frac{100}{101}$

b) $\frac{90}{101}$

c) $\frac{20}{101}$

d) $\frac{101}{100}$

