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Spardhaguru Current affairs



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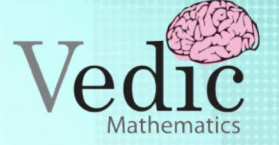
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Continue Fraction Difficult Level

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

equal to:

- a) 1 b) 4
c) 3 d) 2

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

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

3) The value of $1 - \frac{a}{1-\frac{1}{1+\frac{a}{1-a}}}$ is:

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

4) On the 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) $\frac{28}{65}$ b) $\frac{24}{53}$
c) $\frac{56}{53}$ d) $\frac{14}{65}$

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

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

6) Evaluate : $\frac{9 | 3-5 | -5 | 4 | \div 10}{-3(5) - 2 \times 4 \div 2}$

- a) $\frac{9}{10}$ b) $-\frac{8}{17}$
c) $-\frac{16}{19}$ d) $\frac{4}{7}$





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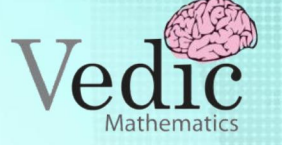
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7) $5 - [4 - \{3 - (3 - 3 - 6)\}]$ is equal to :

- a) 10 b) 6
c) 4 d) 0

8) Evaluate:

$$\frac{-(4-6)^2 - 3(-2) + |-6|}{19 - 9 \div 3 \times 5}$$

- a) $\frac{3}{8}$ b) $\frac{4}{7}$
c) $\frac{8}{3}$ d) $\frac{7}{4}$

9) Simplify : $\frac{\frac{5}{3} \times \frac{7}{51} \text{ of } \frac{17}{5} - \frac{1}{3}}{\frac{2}{9} \times \frac{5}{7} \text{ of } \frac{28}{5} - \frac{2}{3}}$

- a) $\frac{1}{2}$ b) 4
c) 2 d) $\frac{1}{4}$

