Name

Sums - Series of Integers M to N - Addition to Equation

1 What equation would give you the sum of this set of integers?

7 + 8 + ... + 15 + 16

A $\frac{2}{16(16+1)}$

B $\frac{16(16+1)}{2} - \frac{(7-1)7}{2}$

C $\frac{15(15+1)}{2} - \frac{(7-1)7}{2}$

D $\frac{16(16+1)}{2}$

2 What equation would give you the sum of this set of integers?

15 + 16 + ... + 20 + 21

A $\frac{20(20+1)}{2} - \frac{(15-1)15}{2}$

B $\frac{21(21+1)}{2} - \frac{(15-1)15}{2}$

C $\frac{2}{21(21+1)}$

D $\frac{21(21+1)}{2} - \frac{(16-1)16}{2}$

3 What equation would give you the sum of this set of integers?

10 + 11 + ... + 18 + 19

A $\frac{20(20+1)}{2} - \frac{(10-1)10}{2}$

B $\frac{18(18+1)}{2} - \frac{(10-1)10}{2}$

C $\frac{2}{19(19+1)}$

D $\frac{19(19+1)}{2} - \frac{(10-1)10}{2}$

4 What equation would give you the sum of this set of integers?

6 + 7 + ... + 14 + 15

A $\frac{14(14+1)}{2} - \frac{(6-1)6}{2}$

B $\frac{16(16+1)}{2} - \frac{(6-1)6}{2}$

C $\frac{2}{15(15+1)}$

D $\frac{15(15+1)}{2}$

E $\frac{15(15+1)}{2} - \frac{(6-1)6}{2}$

5 What equation would give you the sum of this set of integers?

4 + 5 + ... + 8 + 9

A $\frac{8(8+1)}{2} - \frac{(4-1)4}{2}$

B $\frac{9(9+1)}{2} - \frac{(3-1)3}{2}$

C $\frac{2}{9(9+1)}$

D $\frac{9(9+1)}{2} - \frac{(4-1)4}{2}$

6 What equation would give you the sum of this set of integers?

8 + 9 + ... + 12 + 13

A $\frac{13(13+1)}{2} - \frac{(7-1)7}{2}$

B $\frac{13(13+1)}{2}$

C $\frac{14(14+1)}{2} - \frac{(8-1)8}{2}$

D $\frac{13(13+1)}{2} - \frac{(8-1)8}{2}$

7 What equation would give you the sum of this set of integers?

7 + 8 + ... + 13 + 14

A $\frac{2}{14(14+1)}$

B $\frac{14(14+1)}{2} - \frac{(7-1)7}{2}$

C $\frac{15(15+1)}{2} - \frac{(7-1)7}{2}$

8 What equation would give you the sum of this set of integers?

8 + 9 + ... + 14 + 15

A $\frac{2}{15(15+1)}$

B $\frac{15(15+1)}{2}$

C $\frac{14(14+1)}{2} - \frac{(8-1)8}{2}$

D $\frac{15(15+1)}{2} - \frac{(8-1)8}{2}$

E $\frac{15(15+1)}{2} - \frac{(9-1)9}{2}$