Order of Operations

Perform the operations in the correct order.

1. $\frac{5}{2}+\frac{7}{2}-\frac{9}{4}\div\left(9\times 2^{\frac{4}{3}\times\frac{3}{2}}\right)$

2. $\frac{9}{2}+\left(\frac{7}{6}-\frac{1}{2}\right)\div\left(2+1+5+\frac{8}{3}\right)$

3. $4^{\frac{1}{2}+5\div\frac{7}{3}\times 1\div 3\times\frac{7}{2}}$

4. $4\div\left(1^{6\div 2}+\frac{7}{2}+\frac{1}{2}\right)\div\frac{8}{5}$

5. $\left(\frac{4}{3}+2\right)\div\left(6\times\left(3-\frac{2}{3}\right)\times\frac{1}{4}\times 2\right)$

Order of Operations Answers

Perform the operations in the correct order.

1. $\frac{5}{2}+\frac{7}{2}-\frac{9}{4}\div\left(9\times 2^{\frac{4}{3}\times\frac{3}{2}}\right)$
   $=\frac{95}{16}$

2. $\frac{9}{2}+\left(\frac{7}{6}-\frac{1}{2}\right)\div\left(2+1+5+\frac{8}{3}\right)$
   $=\frac{73}{16}$

3. $4^{\frac{1}{2}+5\div\frac{7}{3}\times 1\div 3\times\frac{7}{2}}$
   $=64$

4. $4\div\left(1^{6\div 2}+\frac{7}{2}+\frac{1}{2}\right)\div\frac{8}{5}$
   $=\frac{1}{2}$

5. $\left(\frac{4}{3}+2\right)\div\left(6\times\left(3-\frac{2}{3}\right)\times\frac{1}{4}\times 2\right)$
   $=\frac{10}{21}$