One-Step Equations: MCQ

1) Identify the equation, where the value of \( t = 1 \).
   a) \(-\frac{3}{7} + t = \frac{4}{7}\)  
   b) \(-\frac{2}{7} + t = \frac{3}{5}\)  
   c) \(-\frac{7}{4} + t = \frac{5}{7}\)  
   d) \(-\frac{4}{7} + t = \frac{6}{7}\)

2) What is the value of \( z \) in the equation \( \frac{z}{2} = \frac{5}{3} \)?
   a) \( z = \frac{7}{10} \)  
   b) \( z = \frac{3}{10} \)  
   c) \( z = \frac{3}{7} \)  
   d) \( z = 3 \frac{1}{3} \)

3) In the equation \( u - \frac{4}{7} = \frac{7}{4} \), find the value of \( u \).
   a) \( u = \frac{7}{4} \)  
   b) \( u = -\frac{4}{7} \)

4) If \( \frac{2}{3} + p = 1 \) and \( \frac{3}{5} + q = 3 \), what is the value of \( p + q \)?
   a) \( \frac{8}{15} \)  
   b) \( \frac{28}{15} \)

5) Identify the equation which does not have a solution at \( w = \frac{2}{3} \).
   a) \( -\frac{1}{3} = -\frac{5}{6} + w \)  
   b) \( \frac{2}{3} = \frac{5}{3} + w \)

6) If \( x + \frac{8}{7} = 0 \) and \( y - \frac{2}{7} = 1 \), what is the value of \( xy \)?
   a) \( 2 \)  
   b) \( \frac{1}{2} \)

7) In the equation \( \frac{m}{n} = 9 \), find the value of \( m \) if \( n = -6 \frac{2}{3} \).
   a) \( m = 60 \)  
   b) \( m = -\frac{9}{20} \)  
   c) \( m = -60 \)  
   d) \( m = -\frac{20}{9} \)

8) If \( k + \frac{9}{2} = \frac{3}{2} \), what is the value of \( k \)?
   a) \( k = -3 \)  
   b) \( k = 6 \)  
   c) \( k = 3 \)  
   d) \( k = -6 \)
1) Identify the equation, where the value of $t = 1$.
   
   a) $\frac{-3}{7} + t = \frac{4}{7}$  
   b) $-\frac{2}{7} + t = \frac{3}{5}$  
   c) $-\frac{7}{4} + t = \frac{5}{7}$  
   d) $-\frac{4}{7} + t = \frac{6}{7}$

2) What is the value of $z$ in the equation $\frac{z}{2} = \frac{5}{3}$?
   
   a) $z = \frac{7}{10}$  
   b) $z = \frac{3}{10}$  
   c) $z = 1\frac{3}{7}$  
   d) $z = 3\frac{1}{3}$

3) In the equation $u + \frac{3}{4} = \frac{1}{7}$, find the value of $u$.
   
   a) $u = \frac{7}{4}$  
   b) $u = -\frac{4}{7}$

4) If $\frac{2}{3} + p = 1$ and $\frac{3}{4} + q = 3$, what is the value of $p + q$?
   
   a) $\frac{8}{15}$  
   b) $\frac{28}{15}$

5) Identify the equation which does not have a solution at $w = \frac{2}{3}$.
   
   a) $-\frac{1}{3} = -\frac{5}{6} + w$  
   b) $\frac{2}{3} = \frac{5}{3} + w$

6) If $x + \frac{8}{7} = 0$ and $y - \frac{10}{7} = 1$, what is the value of $xy$?
   
   a) $2$  
   b) $-\frac{1}{2}$

7) In the equation $\frac{m}{n} = 9$, find the value of $m$ if $n = -6\frac{2}{3}$.
   
   a) $m = 60$  
   b) $m = -\frac{9}{20}$  
   c) $m = -60$  
   d) $m = -\frac{20}{9}$

8) If $k + \frac{9}{2} = \frac{3}{2}$, what is the value of $k$?
   
   a) $k = -3$  
   b) $k = 6$  
   c) $k = 3$  
   d) $k = -6$