One-Step Equations: MCQ

1) Identify the equation which does not have a solution at $k = \dfrac{1}{3}$.

   a) $\dfrac{1}{3}k = \dfrac{1}{9}$ b) $\dfrac{1}{2}k = \dfrac{2}{3}$ c) $\dfrac{8}{3}k = \dfrac{8}{9}$ d) $\dfrac{2}{3}k = \dfrac{2}{9}$

2) If $r + \dfrac{3}{5} = -7$ and $q + \dfrac{7}{3} = 0$, what is the value of $r - q$?

   a) $\dfrac{15}{49}$ b) $\dfrac{3}{5}$ c) $5\dfrac{1}{3}$ d) $-\dfrac{79}{15}$

3) If $b - \dfrac{1}{3} = 0$ and ⬚

   a) $\dfrac{23}{6}$ $\dfrac{3}{7}$

4) Identify the equa⬚

   a) $\dfrac{2}{9}v = \dfrac{2}{81}$ $\dfrac{8}{7}v = \dfrac{3}{5}$

5) If $m - \dfrac{3}{5} = 0$ and ⬚

   a) $\dfrac{11}{7}$ $-\dfrac{13}{5}$

6) In the equation ⬚

   a) $y = -\dfrac{2}{3}$ $y = \dfrac{4}{5}$

7) In the equation $\dfrac{h}{g} = \dfrac{5}{3}$, find the value of h if g = –4.

   a) $h = -\dfrac{16}{3}$ b) $h = -\dfrac{20}{3}$ c) $h = -\dfrac{23}{3}$ d) $h = -\dfrac{17}{3}$

8) If $a - \dfrac{3}{7} = \dfrac{1}{5}$, what is the value of a?

   a) $a = 9$ b) $a = \dfrac{3}{4}$ c) $a = \dfrac{22}{35}$ d) $a = \dfrac{2}{5}$

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