

## Systems of Equations

Use the best method to solve each system of equations.

$$1) \quad \frac{4}{y} + \frac{5}{z} = 17$$

$$\frac{2}{y} + \frac{3}{z} = 10$$

$$2) \quad 2 = \frac{10}{a} + \frac{1}{b}$$

$$\frac{2}{a} + \frac{1}{b} = 0$$

$$3) \quad -\frac{1}{c} = 2 + \frac{1}{d}$$

$$-\frac{1}{c} + \frac{1}{d} = 1$$

$$5) \quad -\frac{8}{x} - \frac{1}{y} = -10$$

$$\frac{6}{x} + \frac{1}{y} = 8$$

$$7) \quad 14 = \frac{3}{p} + \frac{2}{q}$$

$$\frac{7}{p} + \frac{8}{q} = 26$$

$$8) \quad -\frac{9}{u} - \frac{2}{v} - 6 = 0$$

$$\frac{2}{v} + \frac{6}{u} = -5$$

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## Systems of Equations

Use the best method to solve each system of equations.

$$1) \quad \frac{4}{y} + \frac{5}{z} = 17$$

$$\frac{2}{y} + \frac{3}{z} = 10$$

$$\underline{\underline{\left(2, \frac{1}{3}\right)}}$$

$$2) \quad 2 = \frac{10}{a} + \frac{1}{b}$$

$$\frac{2}{a} + \frac{1}{b} = 0$$

$$\underline{\underline{\left(4, -2\right)}}$$

$$3) \quad -\frac{1}{c} = 2 + \frac{1}{d}$$

$$-\frac{1}{c} + \frac{1}{d} = 1$$

$$\underline{\underline{\left(-\frac{2}{3}, -2\right)}}$$

$$5) \quad -\frac{8}{x} - \frac{1}{y} = -10$$

$$\frac{6}{x} + \frac{1}{y} = 8$$

$$\underline{\underline{\left(1, \frac{1}{2}\right)}}$$

$$7) \quad 14 = \frac{3}{p} + \frac{2}{q}$$

$$\frac{7}{p} + \frac{8}{q} = 26$$

$$\underline{\underline{\left(\frac{1}{6}, -\frac{1}{2}\right)}}$$

$$8) \quad -\frac{9}{u} - \frac{2}{v} - 6 = 0$$

$$\frac{2}{v} + \frac{6}{u} = -5$$

$$\underline{\underline{\left(-3, -\frac{2}{3}\right)}}$$

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