Name: .................................................................... Class: ...........................

## Complete addition and subtraction sentences with mixed numbers.

**Find the value of the variables in each expression.**

**a.** $t - 1\frac{1}{2} = 2$

**d.** $2\frac{3}{4} + u = 3\frac{19}{20}$

**b.** $5\frac{3}{4} - v = \frac{1}{2}$

**e.** $s - 3\frac{6}{8} = 5\frac{6}{8}$

**c.** $w - 3\frac{1}{3} = 5$

**f.** $10\frac{2}{5} + t = 12$

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## Complete addition and subtraction sentences with mixed numbers.

**Find the value of the variables in each expression.**

**a.** $t - 1\frac{1}{2} = 2$

To solve for t, let's add $1\frac{1}{2}$
to both sides of the expression.

$t = 2 + 1\frac{1}{2}$

$t = (2+1)\frac{1}{2}$

$t = 3\frac{1}{2}$

So, $t = 3\frac{1}{2}$

**d.** $2\frac{3}{4} + u = 3\frac{19}{20}$

To solve for u, let's subtract $2\frac{3}{4}$
from both sides of the expression.

$u = 3\frac{19}{20} - 2\frac{3}{4}$

$u = (3-2)\frac{19}{20} - \frac{3}{4}$

$\frac{19 - 15}{20} = 1\frac{4}{20} \longrightarrow 1\frac{1}{5}$

So, $u = 1\frac{1}{5}$

**b.** $5\frac{3}{4} - v = \frac{1}{2}$

To solve for v, let's add v to
both sides of the expression.

$5\frac{3}{4} = \frac{1}{2} + v$

Now, let's subtract $\frac{1}{2}$ from both sides

$5\frac{3}{4} - \frac{1}{2} = v$

$v = (5)\frac{3}{4} - \frac{1}{2}$

$\frac{3 - 2}{4} = 5\frac{1}{4}$

So, $v = 5\frac{1}{4}$

**e.** $s - 3\frac{6}{8} = 5\frac{6}{8}$

To solve for s, let's add $3\frac{6}{8}$
to both sides of the expression.

$s = 5\frac{6}{8} + 3\frac{6}{8}$

$s = (5+3)\frac{6}{8} + \frac{6}{8}$

$= 8\frac{12}{8} \longrightarrow (8+1)\frac{1}{2}$

So, $s = 9\frac{1}{2}$

**c.** $w - 3\frac{1}{3} = 5$

To solve for w, let's add $3\frac{1}{3}$
to both sides of the expression.

$w = 5 + 3\frac{1}{3}$

$w = (5+3)\frac{1}{3}$

$w = 8\frac{1}{3}$

So, $w = 8\frac{1}{3}$

**f.** $10\frac{2}{5} + t = 12$

To solve for t, let's subtract $10\frac{2}{5}$
from both sides of the expression.

$t = 12 - 10\frac{2}{5}$

$t = (12-10)\frac{2}{5}$

$= 2\frac{2}{5}$

So, $t = 2\frac{2}{5}$