16) $-2 \leq \frac{1}{2} - \frac{2x}{3} < 1\frac{5}{6}$ $\quad x \in I$

$-2 \leq \frac{1}{2} - \frac{2x}{3} < \frac{11}{6}$

$-\frac{2}{1} \quad -\frac{1}{2} \leq -\frac{2x}{3}$ and $\frac{1}{2} - \frac{2x}{3} < \frac{11}{6}$

$-\frac{4}{2} \quad -\frac{1}{2} \leq -\frac{2x}{3}$ $\quad -\frac{2x}{3} < \frac{11}{6} - \frac{1}{2} \times \frac{3}{3}$

$-\frac{5}{2} \leq -\frac{2x}{3}$ $\quad -\frac{2x}{3} < \frac{11-3}{6}$

$-\frac{5}{2} \times 3 \leq -2x$ $\quad -\frac{2x}{3} < \frac{8}{6}$

$-\frac{15}{2} \leq -2x$ $\quad -2x < \frac{4}{6} \times 3$

$\frac{15}{4} \geq x$ $\quad x > -2$

$\boxed{\frac{15}{4} \geq x}$

$-2 < x \leq 3.75$ $\quad x \in I$

$= \{-1, 0, 1, 2, 3\}$ Ans

25) $-2\frac{5}{6} < \frac{1}{2} - \frac{2x}{3} \leq 2 \qquad x \in W$

$= -\frac{(12+5)}{6} < \frac{1}{2} - \frac{2x}{3}$ and $\frac{1}{2} - \frac{2x}{3} \leq 2$

$= -\frac{17}{6} - \frac{1}{2\times3} \times 3 < -\frac{2x}{3}$ $\qquad -\frac{2x}{3} \leq \frac{1\times2}{1\times2} - \frac{1}{2}$

$= -\frac{17-3}{6} < -\frac{2x}{3}$ $\qquad -\frac{2x}{3} \leq \frac{3}{2}$

$= -\frac{10}{3} < -\frac{2x}{3}$ $\qquad -2x \leq \frac{9}{2}$

$= \frac{+10}{+2} > x$ $\qquad \boxed{x \geq -\frac{9}{4}}$

$= \boxed{5 > x}$

$-\frac{9}{4} \leq x < 5$

$-2.25 \leq x < 5$

$\therefore \boxed{x = \{0, 1, 2, 3, 4\}}$

27) $-\frac{x}{3} \leq \frac{x}{2} - 1\frac{1}{3} < \frac{1}{6}$ $\quad x \in R$

$=$ $\quad -\frac{x}{3} - \frac{x}{2} \leq -\frac{4}{3}$ and $\frac{x}{2} - \frac{4}{3} < \frac{1}{6}$

$= \quad -\frac{5x}{6} \leq -\frac{4}{3}$ $\qquad \frac{x}{2} < \frac{1}{6} + \frac{4}{3} \times \frac{2}{2}$

$= \quad -5x \leq -\frac{4}{3} \times 6/2$ $\qquad \frac{x}{2} < \frac{1+8}{6}$

$= \quad -5x \leq -8$ $\qquad \frac{x}{2} < \frac{9}{6}\,3$

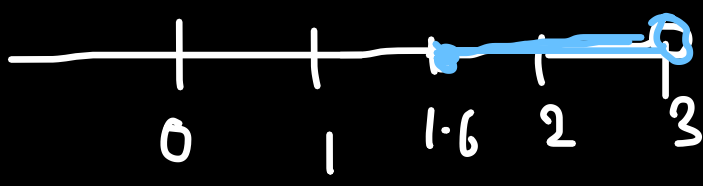
$x \geq 1\frac{8}{5}$ $\qquad \boxed{x < 3}$

$\boxed{x \geq \frac{8}{5}}$

$\frac{8}{5} \leq x < 3$

$1.6 \leq x < 3$

$\boxed{x = \{2\}}$



30) $-2 + 10x \leq 13x + 10 < 24 + 10x$, $x \in Z$

$-2 - 10 \leq 13x - 10x$ And $13x + 10 < 24 + 10x$

$-12 \leq 3x$ $\qquad 13x - 10x < 24 - 10$

$-\frac{12}{3} \leq x$ $\qquad 3x < 14$

$-4 \leq x$ $\qquad x < \frac{14}{3}$

$-4 \leq x < \frac{14}{3}$