

Simplify.

1.  $\frac{x+1}{8} + \frac{3}{4}$

2.  $\frac{2k-1}{6} - \frac{k+1}{9}$

3.  $\frac{3t-2}{6} + \frac{2t-1}{4}$

4.  $\frac{x+2}{3} + \frac{x}{5}$

5.  $\frac{x-5}{4} + \frac{2x}{3}$

6.  $\frac{y-9}{4} + \frac{3y}{8}$

7.  $\frac{a-2}{4} - \frac{a}{12}$

8.  $\frac{a+3b}{8} - \frac{a}{2}$

9.  $\frac{x-3}{4} - \frac{5x}{6}$

10.  $\frac{x+2}{3} + \frac{x+1}{2}$

11.  $\frac{x-1}{2} + \frac{x+3}{4}$

12.  $\frac{a-5}{3} + \frac{a-1}{6}$

13.  $\frac{x+5}{3} + 1$

14.  $\frac{2a+1}{5} - 2$

15.  $\frac{4y-4}{3} + 8$

16.  $\frac{4y+4}{4} - \frac{y-1}{2}$

17.  $\frac{4x+2}{2} - \frac{x-2}{3}$

18.  $\frac{2b-2}{4} - \frac{b-4}{3}$

19.  $\frac{r}{4} + \frac{r-2}{8} - \frac{r-4}{16}$

20.  $\frac{4+3a}{6} - \frac{5a}{18} + \frac{3-a}{12}$

21.  $\frac{10x+4}{5} - \frac{6x+2}{3} - \frac{2}{15}$

22.  $\frac{x+1}{8x} + \frac{3x-1}{12x} - \frac{1}{6x}$

## Answers

$$\begin{array}{lll} 1. \frac{x+7}{8} & 3. \frac{12t-7}{12} & 5. \frac{11x-15}{12} \\ 7. \frac{a-3}{6} & 9. \frac{-7x+9}{12} & 11. \frac{3x+1}{4} \\ 13. \frac{x+8}{3} & 15. \frac{4y+20}{3} & 17. \frac{5x+5}{3} \\ 19. \frac{5r}{16} & 21. 0 & \end{array}$$

### ■ Answers to even numbered questions

$$[2] \quad \frac{4k-5}{18}$$

$$[4] \quad \frac{8x+10}{15}$$

$$[6] \quad \frac{5y-18}{8}$$

$$[8] \quad \frac{3b-3a}{8}$$

$$[10] \quad \frac{5x+7}{6}$$

$$[12] \quad \frac{3a-11}{6}$$

$$[14] \quad \frac{2a-9}{5}$$

$$[16] \quad \frac{y+3}{2}$$

$$[18] \quad \frac{b+5}{6}$$

$$[20] \quad \frac{5a+33}{36}$$

$$[22] \quad \frac{3x-1}{8x}$$