<u>Changing the Subject of the Formula - 2</u>

Change the subject of each formula to the letter in brackets:

1. $y = \dfrac{2x}{3}$ (x)

2. $y = \dfrac{3x}{8}$ (x)

3. $K = \dfrac{8M}{5}$ (M)

4. $y = \dfrac{ax}{k}$ (x)

5. $A = \dfrac{bh}{2}$ (h)

6. $f = \dfrac{4u}{v}$ (u)

7. $N = \dfrac{PH}{50}$ (H)

8. $T = \dfrac{ab}{3}$ (b)

9. $I = \dfrac{PRT}{100}$ (T)

10. $y = \dfrac{2x}{3m}$ (x)

11. $d = \dfrac{2p}{5c}$ (p)

12. $y = \dfrac{kx}{2m}$ (x)

13. $y = \dfrac{x+1}{2}$ (x)

14. $y = \dfrac{x-1}{4}$ (x)

15. $y = \dfrac{x+a}{3}$ (x)

16. $y = \dfrac{x-c}{k}$ (x)

17. $a = \dfrac{v-u}{t}$ (v)

18. $m = \dfrac{x+y}{2}$ (x)

19. $d = \dfrac{t-k}{m}$ (t)

20. $y = \dfrac{2x+1}{3}$ (x)

21. $y = \dfrac{2x-3}{5}$ (x)

22. $y = \dfrac{3x+a}{p}$ (x)

23. $y = \dfrac{ax-b}{k}$ (x)

24. $y = \dfrac{px+q}{r}$ (x)

Answers

1. $x = \dfrac{3y}{2}$ **2.** $x = \dfrac{8y}{3}$ **3.** $M = \dfrac{5K}{8}$ **4.** $x = \dfrac{ky}{a}$

5. $h = \dfrac{2A}{b}$ **6.** $u = \dfrac{fv}{4}$ **7.** $H = \dfrac{50N}{P}$ **8.** $b = \dfrac{3T}{a}$

9. $T = \dfrac{100I}{PR}$ **10.** $x = \dfrac{3my}{2}$ **11.** $p = \dfrac{5cd}{2}$ **12.** $x = \dfrac{2my}{k}$

13. $x = 2y - 1$ **14.** $x = 4y + 1$ **15.** $x = 3y - a$ **16.** $x = ky + c$

17. $v = at + u$ **18.** $x = 2m - y$ **19.** $t = dm + k$ **20.** $x = \dfrac{3y - 1}{2}$

21. $x = \dfrac{5y + 3}{2}$ **22.** $x = \dfrac{py - a}{3}$ **23.** $x = \dfrac{ky + b}{a}$ **24.** $x = \dfrac{ry - q}{p}$