Changing the Subject of a Formula - Past Paper Questions

1) Change the subject of the formula to p.

$$r = 3p + 2t$$ 2

2) Change the subject of the formula to T.

$$Q = p^2 + 3T$$ 2

3) Change the subject of the formula to L.

$$P = 2(L + B)$$ 2

4) Change the subject of the formula to h.

$$L = \frac{1}{2}(h - t)$$ 2

5) Change the subject of the formula to k.

$$d = \frac{k-m}{t}$$ 2

6) Change the subject of the formula to s.

$$t = \frac{7s + 4}{2}$$ 3

7) Change the subject of the formula to x.

$$m = \frac{3x + 2y}{p}$$ 3

8) Change the subject of the formula to m.

$$P = \frac{2(m-4)}{3}$$ 3

9) Change the subject of the formula to h.

$$A = \frac{1}{2}h(a + b)$$ 2

10) Change the subject of the formula to W.

$$P = 4 + \frac{5}{W}$$ 3

11) Change the subject of the formula to x.

$$\frac{x}{c} + a = b$$ 2

12) Change the subject of the formula to a.

$$s = ut + \frac{1}{2}at^2$$ 3

13) Change the subject of the formula to H.

$$W = BH^2$$ 2

14) Change the subject of the formula to x.

$$y = ax^2 + c$$ 3

15) Change the subject of the formula to r.

$$p = q + 2r^2$$ 3

16) Change the subject of the formula to b.

$$a = 3b^2 + c$$ 3

17) Change the subject of the formula to R.

$$M = R^2t - 3$$ 3

18) Change the subject of the formula to r.

$$A = 4\pi r^2$$ 2

19) A formula used to calculate the flow of water in a piper is

$$f = \frac{kd^2}{20}$$

Change the subject of the formula to d. 3

20) Change the subject of the formula to m.

$$K = \frac{m^2n}{p}$$ 3

21) Change the subject of the formula to D.

$$E = \frac{I}{D^2}$$ 3

22) Change the subject of the formula to a.

$$p = q + \sqrt{a}$$ 2

23) Change the subject of the formula to m.

$$L = \frac{\sqrt{m}}{k}$$ 2