# Solving Basic Equations Past Paper Questions

**Q1.**

(a) Solve $2x = 8$

.....

**(1)**

(b) Solve $y + 4 = 10$

.....

**(1)**

**(Total for Question is 2 marks)**

**Q2.**

Solve $5 = \frac{100}{x}$

$x$ = .....

**(Total for question = 1 mark)**

**Q3.**

Solve $4x + 5 = x + 26$

$x$ = .....

**(Total for question = 2 marks)**

**Q4.**

(a) Solve $b - 7 = 12$

$b =$ . . . . . .

**(1)**

(b) Solve $5e = 40$

$e =$ . . . . . .

**(1)**

(c) Solve $4m + 6 = 15$

$m =$ . . . . . .

**(2)**

**(Total for Question is 4 marks)**

**Q5.**

(a) Solve $\frac{n}{7} = 2$

.....

**(1)**

(b) Solve $3g + 4 = 19$

.....

**(2)**

**(Total for Question is 3 marks)**

**Q6.**

(a) Solve $x + x + x = 51$

$x =$ .....

**(1)**

(b) Solve $\frac{y}{4} = 3$

$y =$ .....

**(1)**

(c) Solve $2f + 7 = 18$

$f =$ .....

**(1)**

**(Total for question = 3 marks)**

**Q7.**

Solve $4x + 3 = 7 - x$

$x =$ .....

**(Total for question = 2 marks)**

**Q8.**

(a) Solve $8f + 19 = 15$

$f =$ .....

**(2)**

(b) Solve $2c + 5 = c + 8$

$c =$ .....

**(2)**

**(Total for question = 4 marks)**

**Q9.**

(a) Solve $x - 5 = 17$

$x =$ .....

**(1)**

(b) Solve $\frac{m}{3} = 6$

$m =$ .....

**(1)**

(c) Solve $5y + 7 = 24$

$y =$ .....

**(2)**

**(Total for Question is 4 marks)**

**Q10.**

Solve $4(x + 3) = 2x + 8$

$x$ = .....

**(Total for question = 3 marks)**

**Q11.**

Solve $5x – 6 = 3(x – 1)$

$x$ = .....

**(Total for question = 3 marks)**

**Q12.**

Solve $3(x – 2) = x + 7$

$x$ = . . . . . .

**(Total for Question is 3 marks)**

**Q13.**

Solve $4(x - 6) = 44$

$x$ = .....

**(Total for question = 2 marks)**

**Q14.**

Solve $\frac{5 - x}{2} = 2x - 7$

$x$=.....

**(Total for question = 3 marks)**

**Q15.**

$P = 4x + 3y$

$x = 5$
$y = -2$

(a) Work out the value of $P$.

.....

**(2)**

(b) Expand $4e(e + 2)$

.....

**(2)**

(c) Solve $3(m - 4) = 21$

..... $m$

**(2)**

**(Total for question = 6 marks)**