

Name : _____

Solve the Equations

L2S1

Solve.

$$1) \frac{C(23, 3n) \times P(5, 1)}{C(11, 9)} = C(23, 3n + 1) \quad 2) \frac{C(8, 6)}{(7 - r)! \times P(7, r - 1)} = \frac{1}{90}$$

$$3) P(2, 2) \times 12C(r, 2) + P(5, 4) = 2C(10, 7)$$

$$5) 7C(2r + 1, 2r) = \frac{5! - 56}{C(17n, 11)}$$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

Solve the Equations

Solve.

$$1) \frac{C(23, 3n) \times P(5, 1)}{C(11, 9)} = C(23, 3n + 1) \quad 2) \frac{C(8, 6)}{(7 - r)! \times P(7, r - 1)} = \frac{1}{90}$$

$n = 7$

$$3) P(2, 2) \times 12C(r, 2) + P(5, 4) = 2C(10, 7)$$

$n = 10$

$$5) 7C(2r + 1, 2r) = \frac{5! - 56}{C(17n, 11)}$$

$r = 2$

$n = \frac{14}{17}$

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com