

JustMaths

SIMULTANEOUS EQUATIONS

Name: _____

Total Marks: _____

Q.	Max	Actual	RAG
1	4		
2	4		
3	4		
4	4		
5	4		
6	4		
7	3		
8	6		
9	4		
10	4		
11	4		
12	4		

Q1. Solve the simultaneous equations

$$3x + 2y = 4$$

$$4x + 5y = 17$$

$x = \dots\dots\dots$

$y = \dots\dots\dots$ (4 Marks)

Q2. Solve the simultaneous equations

$$5x + 2y = 5$$

$$7x + 3y = 9$$

$x = \dots\dots\dots$

$y = \dots\dots\dots$ (4 Marks)

Q3. Solve the simultaneous equations

$$3x + 2y = 4$$

$$4x + 5y = 17$$

$x = \dots\dots\dots$ (4 Marks)

$y = \dots\dots\dots$

Q4. Solve the simultaneous equations

$$5x + 2y = 5$$

$$7x + 3y = 9$$

$x = \dots\dots\dots$ (4 Marks)

$y = \dots\dots\dots$

Q5. Solve the simultaneous equations using an algebraic (not graphical) method

$$3x + 5y = 9$$

$$4x + 3y = 23$$

$$x = \dots\dots\dots$$

$$y = \dots\dots\dots$$

(4 Marks)

Q6. Solve the simultaneous equations using an algebraic (not graphical) method

$$7x + 2y = 2$$

$$2x - 5y = 34$$

$$x = \dots\dots\dots$$

$$y = \dots\dots\dots$$

(4 Marks)

Q7. Solve the simultaneous equations using an algebraic (not graphical) method

$$4x + y = 10$$

$$2x - 3y = 19$$

$$x = \dots\dots\dots$$

$$y = \dots\dots\dots$$

(3 Marks)

Q8. Solve the simultaneous equations

$$x + y = 4$$

$$x^2 + y^2 = 40$$

$$x = \dots\dots\dots y = \dots\dots\dots \text{OR.}$$

$$x = \dots\dots\dots y = \dots\dots\dots$$

(6 Marks)

Q9. Solve the simultaneous equations

$$4x - 3y = 11$$

$$10x + 2y = -1$$

$x = \dots\dots\dots$

$y = \dots\dots\dots$

(4 Marks)

Q10. Solve the simultaneous equations

$$3x + 4y = 200$$

$$2x + 3y = 144$$

$x = \dots\dots\dots$

$y = \dots\dots\dots$

(4 Marks)

Q11. Solve the simultaneous equations

$$6x + 2y = -3$$

$$4x - 3y = 11$$

$x = \dots\dots\dots$

$y = \dots\dots\dots$

(4 Marks)

Q12. Solve the simultaneous equations

$$3x + 2y = 8$$

$$2x + 5y = -2$$

$x = \dots\dots\dots$

$y = \dots\dots\dots$

(4 Marks)