



## Guidance

- 1. Read each question carefully before you begin answering it.
- 2. Don't spend too long on one question.
- 3. Attempt every question.
- 4. Check your answers seem right.
- 5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 295 Video 296



$$5x + 3y = 41$$
  
 $2x + 3y = 20$ 

Do not use trial and improvement

2. Solve the simultaneous equations

Do not use trial and improvement

x = ...... y = .....

$$x + 7y = 64$$
  
 $x + 3y = 28$ 

Do not use trial and improvement

4. Solve the simultaneous equations

4x - 4y = 24x - 4y = 3

Do not use trial and improvement

x = ..... y = .....

$$2x + 4y = 14$$
$$4x - 4y = 4$$

Do not use trial and improvement

6. David buys 2 DVDs and 2 CDs in a shop and in total they cost £18. Ellie buys 3 DVDs and 2 CDs in the same shop and they cost £22.

Form two equations and solve to find the cost of each DVD and each CD.

DVD =£.....CD =£....

(4)

$$2x + 4y = 26$$
  
 $3x - y = 4$ 

Do not use trial and improvement

8. Solve the simultaneous equations

$$3x + 2y = 16$$
  
 $2x - 3y = 2$ 

Do not use trial and improvement

x = ..... y = .....

(4)

$$3x - 2y = 14$$
  
x + 2y = 10

Do not use trial and improvement

10. Solve the simultaneous equations

$$3x + 5y = 1$$
  
 $2x - 3y = 7$ 

Do not use trial and improvement

x = ..... y = .....

(4)

$$3x - y = 23$$
  
 $2x + 3y = 8$ 

Do not use trial and improvement

12. Solve the simultaneous equations

$$2y - 5x = 9$$
  
 $4y + 3x = 5$ 

Do not use trial and improvement

x = ..... y = .....

13. Find the coordinates where the straight lines below cross.

$$y - 3x = 3$$
$$x - 2y = 4$$

(.....) (4)

14. Solve the simultaneous equations

$$3a + c = 8$$
  
 $2a - c = 7$ 

Do not use trial and improvement

a = ..... c = .....

$$4x + 3y = 5$$
  
 $2x - 5y = 9$ 

Do not use trial and improvement

16. Solve the simultaneous equations

$$2y = x + 10$$
  
 $y = 2x - 7$ 

Do not use trial and improvement

x = ..... y = .....

$$4x - y = 17$$
$$y = x - 2$$

Do not use trial and improvement

18. Alan and Connor have £6.70 in total.Alan has £1.70 more than Connor.

Let a be the amount of money Alan has. Let c be the amount of money Connor has.

Set up a pair of simultaneous equations and solve to find out how much each person has.

Alan = ..... Connor = .....

19. Three bananas and two pears cost 95p.Five bananas and three pears cost £1.51

Find the cost of ten bananas and ten pears.

.....(4)

20. Solve the simultaneous equations

$$5x + 2y = -34$$
  
 $4x - 3y = -41$ 

Do not use trial and improvement