Name:

Exam Style Questions



Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

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

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Video 295 Video 296



$$5x + 3y = 41$$

$$2x + 3y = 20$$

Do not use trial and improvement

2. Solve the simultaneous equations

$$5x + y = 11$$

$$3x - y = 9$$

$$x + 7y = 64$$

 $x + 3y = 28$

Do not use trial and improvement

4. Solve the simultaneous equations

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

$$2x + 4y = 14$$

$$4x - 4y = 4$$

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.

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

Do not use trial and improvement

8. Solve the simultaneous equations

$$3x + 2y = 16$$

 $2x - 3y = 2$

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

Do not use trial and improvement

10. Solve the simultaneous equations

$$3x + 5y = 1$$

$$2x - 3y = 7$$

$$3x - y = 23$$

$$2x + 3y = 8$$

Do not use trial and improvement

Solve the simultaneous equations 12.

$$2y - 5x = 9$$

$$4y + 3x = 5$$

13.	Find the coordinates where the straight lines below cross.		
	y - 3x = 3 $x - 2y = 4$		
		(, ,	
14.	Solve the simultaneous equations		
	3a + c = 8 2a - c = 7		
	Do not use trial and improvement		
		a = c =	
		(3)	

$$4x + 3y = 5$$

$$2x - 5y = 9$$

Do not use trial and improvement

16. Solve the simultaneous equations

$$2y = x + 10$$

$$y = 2x - 7$$

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

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.

		. ,	(4)
		x = y =	
	Do not use trial and improvement		
	5x + 2y = -34 4x - 3y = -41		
20.	Solve the simultaneous equations		
			(4)
	Find the cost of ten bananas and ten p	ears.	
19.	Three bananas and two pears cost 95p Five bananas and three pears cost £1.		