Day 1



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 84 Video 85 Video 87





(a) Write down the coordinates of the point A.

(b)	Write down the coordinates of the point B.	() (1)
		() (1)
(c)	Plot the point (0, 2). Label the point C.	(1)
(d)	Plot the point (-3, 1). Label the point D.	(1)

2. Three points are shown on the grid.



(a) Write down the coordinates of C.

(......) (1) ABCD is a rectangle. (b) Plot the point D. (1) (c) Write down the coordinates of D. (.....)

(1)



(.....) (1)

(b) Write down the coordinates of C.

(.....) (1)

M is the midpoint of the line from A to B.

(c) Write down the coordinates of M.

(.....) (1)



(b) Write down the coordinates of M.

(_)
(,	,
		(1)

(c) Find the coordinates of the midpoint of LM.

(.....) (**2**)



(b) Which point has coordinates (-5, 4)?

(c) Plot the point (2, -3). Label the point H.

(1)

(1)

.....



ABCD is a parallelogram. Complete the parallelogram and write down the coordinates of D.



7. The points A (0, 3), C (2, -3) and D (-2, -2) are shown.



ABCD is a parallelogram.

Complete the parallelogram and write down the coordinates of B.

(.....) (2)



8. The points A (-3, 2), B (-1, 4) and D (-1, -3).

ABCD is a kite.

Complete the kite and write down the coordinates of C.

(.....) (2)



A is the point with coordinates (2, 9). B is the point with coordinates (10, 1).

Work out the coordinates of the midpoint of the line AB.

(.....) (2)

Day 2



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 139 Video 140





.....(1)

6. Write the number four and two-thirds in figures as a mixed number.



.....(1)

11. Write $1\frac{2}{3}$ as a top heavy fraction.



14. Jasper feeds his dog ²/₃ of a can of dog food each day.Work out how many cans of dog food are eaten each week.

Give your answer as a mixed number.

(1)



Calculate the perimeter of a square with side length $5\!\!\!/ sm$ Give your answer as a mixed number.

.....m (**2**)

Day 3



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 20



1. Find the value of 5c + 2, if c = 6.

			(1)
2.	lf x =	= 6 and $y = -2$, find the value of	
	(a)	X ²	
			(1)
	(b)	5x + y	
			(1)
	(C)	$X + Y^2$	
			(1)
	(d)	<u>y + 20</u> x	
			(2)

3. You are given that m = 0.5, p = 0.75 and c = 2.2
 Find the value of

 (a) 3c + m
 (b) m + p + c
 (c) m + p + c

.....(1)

- 4. F = 1.8C + 32
 - (a) Work out the value of F when C = 2

(2)

(b) Work out the value of C when F = 50

.....(2)

5. Given that a = 4, b = 9 and c = -5

Work out the value of

(3)

6. (a) Find the value of 5(a + c) when a = 4 and c = 9.

.....(2)

(b) Find the value of 7x + 2y when x = 2 and y = -9.

(2)

7. A = 2W + 2L

Find A if W = 3 and L = 9

.....(2)

8. A = 2W + 2L

Find W if A = 30 and L = 11

(2)

9. The cost in pounds, C, of hiring a car is given by C = 25d + 45

where d is the number of days the car is hired.

(a) Find C if d = 4.

(2)

(a) Find d if C = 245

(2)

10. The amount of medicine, s ml, to give to a child can be worked out using the formula.



s is the amount of medicine, in ml. a is the adult dose, in ml. m is the age of the child, in months.

A child is 20 months old. An adult's dose is 45ml.

Work out the amount of medicine the child should be given.

.....ml (**3**)

11.
$$y = w - 2a^2$$

w = 400 a = 5

Work out the value of y.

.....

12. v = u + at

(a) Work out v when u = 23, a = 4 and t = 3

(2)

(b) Work out u when v = 30, a = 2 and t = 8

(c) Work out t when v = 40, u = 12 and a = 4

.....(2)

.....

(2)

13.

m = abc

Find m if a = 3, b = -8 and c = 2

.....(2)

Day 4

Name:



Decimals to Fractions Fractions to Decimals



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

Secondary

Video 123 Video 124

Video 127

Video 128



1. Write 0.7 as a fraction.



.....(1)

.....

(2)

2.

Write 0.6 as a fraction. Give your answer in its simplest form.



5.

Write 0.52 as a fraction. Give your answer in its simplest form.

.....



Give your answer in its simplest form.





(1)

(2)

Write 0.82 as a fraction. 10.





Give your answer in its simplest form.









(a) Write down the fraction of the grid that is shaded.

.....(1)

(b) Write your answer to (a) as a decimal.

(1)

18. Match each decimal and fraction.



(2)





(3)



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 50 Video 53

- Video 56
- Video 57



1.	James has a spinner that has sections labelled 1 to 5. He spins the spinner 10 times.											
	Here are his scores.											
		1	4	4	2	3	4	5	1	4	1	
	(a)	Find th	e mode	е.								
	(b)	Work o	ut the	mean.								(1)
	(C)	Work o	ut the I	range.								(2)
	Qirra											(2)
2.	Simone records the number of minutes she spends on her mobile phone over 7 days.											er
		8	5	13	6	24	19	10				
	Find	d the me	dian.									

.....minutes (2)

3.	Here are the ages of 9 children at a birthday party.											
		10	12	13	10	11	14	15	10	12		
	(a) Find the mode.											
	(b)	Find o		(1)								

(2)

(c) Work out the range.

.....(2)

(d) Work out the mean.

(2)

4. A football team played six games.



Here are the number of goals they scored in each game:

6 0 3 2 2 5

(a) Work out the median number of goals scored.

(b) Work out the mean number of goals scored.

(2)

.....

(2)

The football team play one more game. The mean number of goals scored increases to 4.

(c) Work out the number of goals scored in the seventh game.

.....(2)

5.	Miss Jones gives her class a test. The test is out of 40 marks.											
	Here are their scores.											
		31	29	20	35	32	38	32				
	(a)	Work o	ut the I	mode.								
	(b)	Work o	ut the I	media	า.							
	(C)	Work o	ut the r	range.								(2)
												(2)

(d) How many students pass the test?

The pass mark for the test is 75%.

(2)

6.	Hannah is recording the number of letters in each word in an article.												
	These are the first ten lengths.												
	3	4	5	6	2	4	3	7	3	6			
	(a) Work ou	t the m	nedian.										
											(2)		
	(d) Calculat	e the n	nean.										
											(2)		
	The 11 th word has 4 letters.												
	(c) Tick the box which describes what affect this will have on the mean.												
	T c	The me lecreas	an will se	TI re	he mea main th	n will ie sam	e	The me increas	an will e				
]										
											(1)		
(d) Tick the box which describes what affect this will have on the media													
	The	e media crease	an will	Th rer	e medi main th	an will e same	•	The me					
	[]				
											(1)		

7. Shown below are five cards which are arranged in order from smallest to largest





The range of the cards is 4. The median of the cards is 8. The mean of the cards is 7.

Work out the 4 missing numbers.

 8. 8 boys and 8 girls from a class run 100m.

The times taken, to the nearest second, for each girl are:

15 20 24 18 19 21 26 29

The mean of the boys' times is 25 seconds. The range of the boys' times is 14 seconds.

Thomas says that "the boys in our class are faster than the girls."

Is he correct?

9. A set of six numbers have a median of 5.



All of the numbers are even.

The range of the numbers is 6.

The mode of the numbers is 4.

Write down a possible set of six numbers.