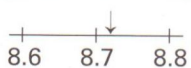


## Higher tiers sample test questions

*"For the first group of questions, you will have 5 seconds to work out each answer and write it down."*

	The Questions:	Pupil sheet
1	Write the number seventy thousand and nine in figures.	
2	The product of two numbers is forty-two. One of the numbers is six. What is the other?.	
3	Change seven and a half metres into centimetres.	cm
4	Subtract nineteen from six.	
5	Write four fifths as a decimal.	
6	Increase sixty pounds by five per cent.	£


*"For the next group of questions, you will have 10 seconds to work out each answer and write it down."*

	The Questions:	Pupil sheet
7	A train journey starts at seven-forty. It lasts for thirty-five minutes. At what time does it finish?	7.40 35
8	On your sheet is a scale. Estimate the number shown by the arrow.	
9	A book costs two pounds ninety-nine pence. How much change is there from ten pounds?	£
10	Mrs Brooks has a nine metre roll of paper. How many one point five metre lengths can she cut?	
11	Twenty-five per cent of a number is forty. What is the number?	40
12	Write all the prime numbers between twelve and eighteen.	12 18
13	How many minutes are there altogether in six and a half hours?	mins

*"Now turn over your answer slip"*

Higher tiers sample test questions

(10 seconds continued)

	The Questions:	Pupil sheet	
14	Look at the angle on your sheet. Estimate the size of the angle in degrees.	degrees	
15	Subtract ninety-eight from two hundred and sixty-five.		
16	A quadrilateral has three angles which are all eighty degrees. What is the size of the fourth angle?	degrees	
17	Multiply seven point one two by one thousand.		7.12
18	Look at your answer sheet. If $a$ equals five, what is $b$ ?	$b =$	$b = 7a^2$
19	Look at the calculation on your answer sheet. What is one hundred and twenty-seven multiplied by thirty-six?		$125 \times 36 = 4500$
20	Eighty pounds is shared in the ratio of one to three. How much money is the smaller of the two shares?	£	£80
21	Write, as a decimal, seven divided by twenty-five.		
22	What is three divided by nought point nought one?		3    0.01

**"For the next group of questions, you will have 15 seconds to work out each answer and write it down."**

	The Questions:	Pupil sheet	
23	What is the cost of four pictures at two pounds ninety-nine pence each?	£	
24	On your sheet are two numbers. Write the number which is half-way between them.		8.5    14.5
25	Look at the calculation on your answer sheet. Write an approximate answer.		$39.75 \times 40.25$
26	Two fifths of a number is eight. What is the number?		
27	What is the area of a rectangle with sides thirteen centimetres and forty centimetres?	$\text{cm}^2$	
28	Estimate the value of seventy-nine per cent of four hundred and three.		79%    403
29	Look at the equation on your answer sheet If $b = 10$ , what is $y$ ?	$y =$	$y = 2b^2 - 3b + 4$
30	What is six to the power of four divided by six to the power of three?		$6^4$ $6^3$
31	Pat cycles ten kilometres in forty minutes. What is Pat's average speed in kilometres per hour?	$\text{km/h}$	
32	Look at the calculation on your answer sheet. Write an approximate answer.		$\frac{19.9 \times 9.95}{4.96 \times 4.12}$

**"Put down your pens now. The test is finished."**