

Mathematics

Paper 1: arithmetic

First name			
Middle name			
Last name			
Date of birth	Day	Month	Year
School name			
DfE number			



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Instructions

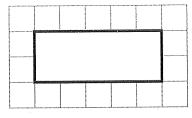
You must not use a calculator to answer any questions in this test.

Questions and answers

You have 30 minutes to complete this test.

Work as quickly and as carefully as you can.

Put your answer in the box for each question.



All answers should be given as a single value.

For questions expressed as common fractions or mixed numbers, you should give your answers as common fractions or mixed numbers.

If you cannot do a question, **go on to the next one**. You can come back to it later, if you have time.

If you finish before the end, go back and check your work.

Marks

The number under each box at the side of the page tells you the number of marks available for each question.

In this test, long division and long multiplication questions are worth **2 marks each**. You will be awarded **2** marks for a correct answer. You may get **1** mark for showing a formal method.

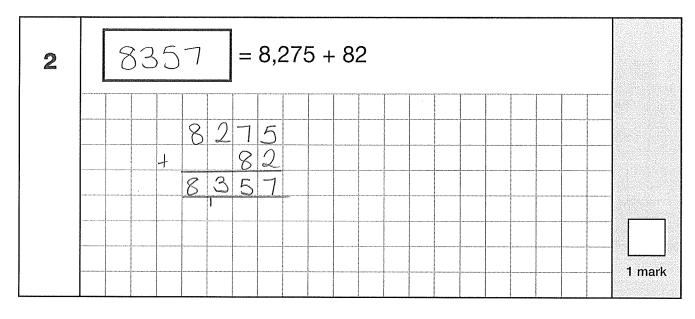
All other questions are worth 1 mark each.



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1	6090) = 6,000 + 90											
		- - - - - - 1 mark										

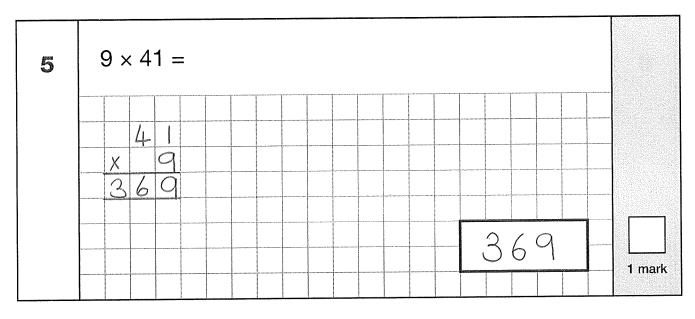


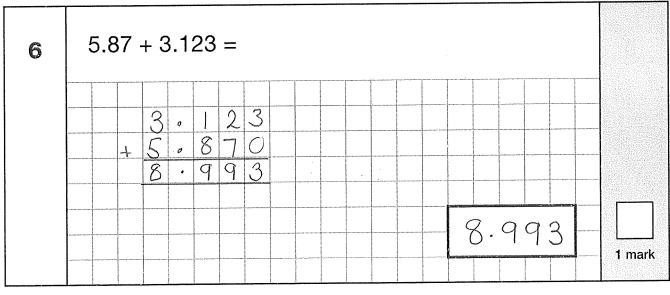
3	826 = 800 +	20 + 6	
	800		



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4	336	+ 5 = 341	
			1 mark

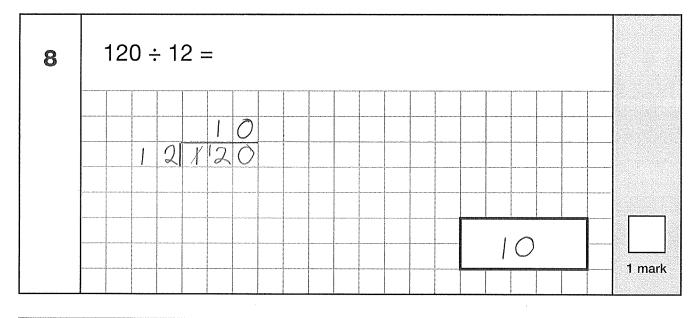


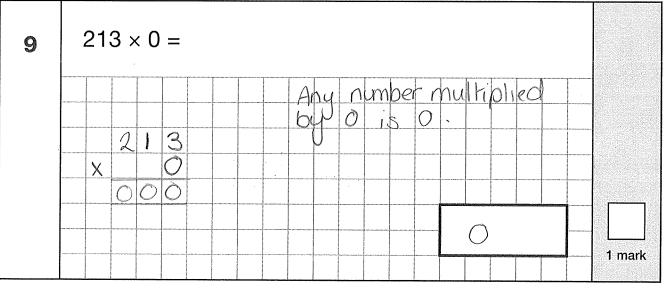




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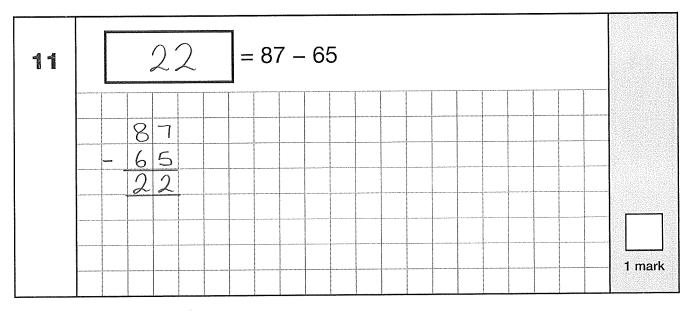
7	180 ÷ 3 =	
	60 3180	
	60	- 1 mark

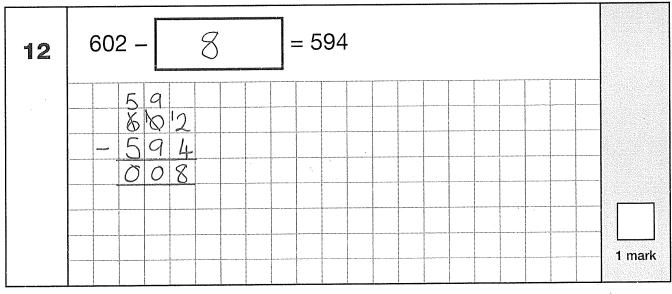






10	91 ÷ 7 =												
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$												
	13	1 mark											

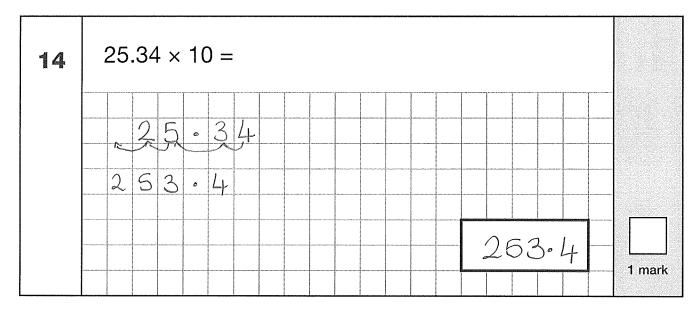


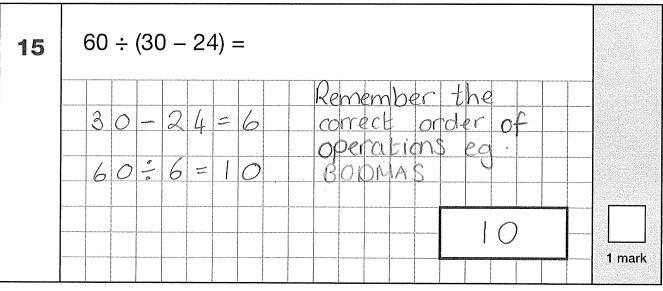




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13	1,210 ÷ 11 =											
	110											
	111210											
			1 mark									
			i mark									



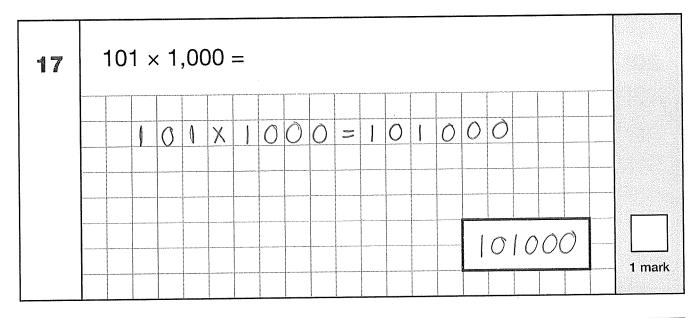


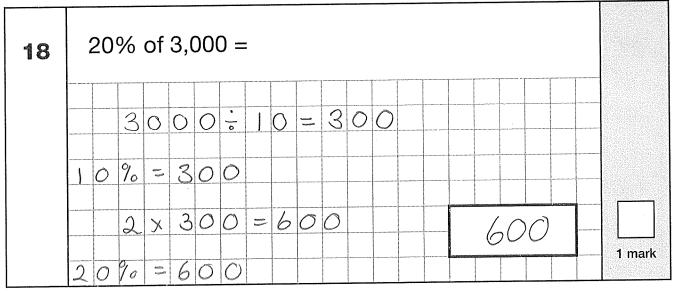


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16	$3^3 =$	
	$3^{3} = 3 \times 3 \times 3$ $3^{3} = 9 \times 3$ $3^{3} = 27$ 27	1 mark

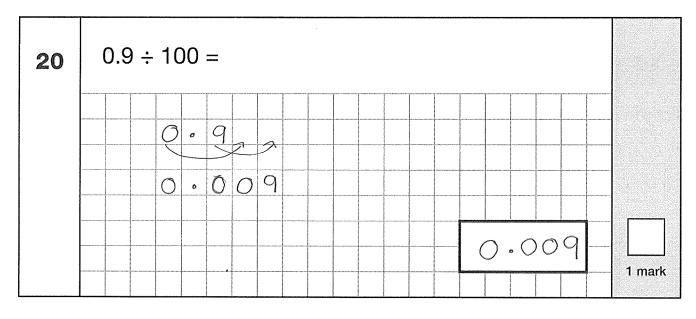


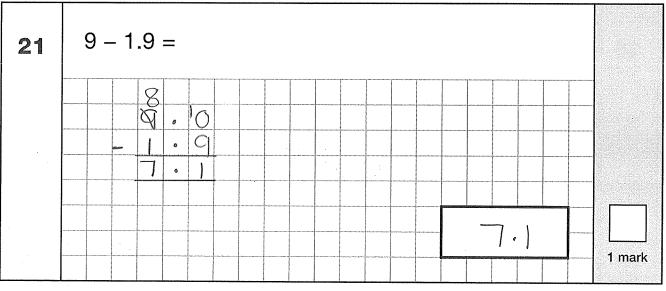




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19	7 – 2.25 =	
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
	4.75	1 mark





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22	$1\frac{3}{7} - \frac{4}{7} =$	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	

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Show your method		12	562	875	527	202					2	22	.5	7	2	2 ma	arks



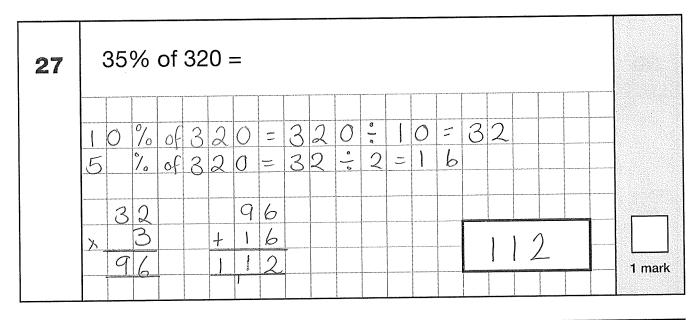
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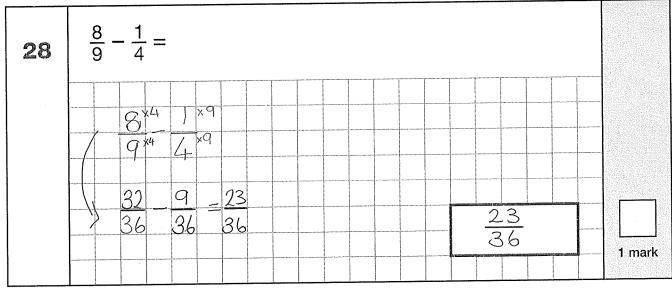
24	$\frac{1}{5} + \frac{3}{4} =$	
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	

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				1	4	8										
Show					t											
your													 			
method							 	 					 			
													21	+		
							_									2 marks

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26	$1\frac{1}{5} + 2\frac{1}{10} =$	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	- 1 mark







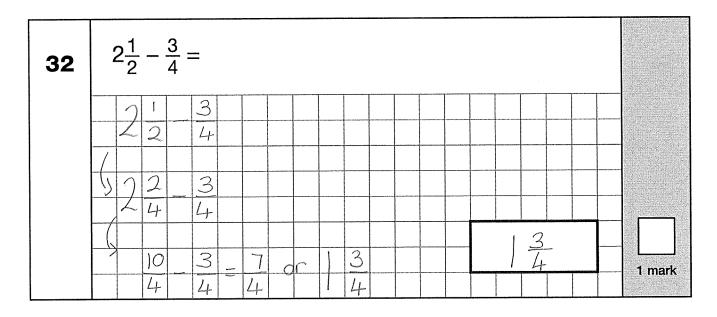
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	 5		%	of °/。	9	0	0	=	4	5	0	+	9			L	+5	59		
																				1 mark

30	 ×			3	4	6 6	8 2				 						
Show your method		22	0	685	9000	3 8 1	606	- 1	eme holi	1.		ĵ ((2		>1a 21		2 marks



31	$\frac{2}{3} \div 3 =$	
	$\begin{array}{c} 2 \\ 2 \\ 3 \\ 3 \\ \end{array} \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \end{array} \\ \begin{array}{c} 2 \\ 3 \\ \end{array} \\ \end{array} \\ \end{array} $	
		1 mark





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		3	5		2	7	8	0			6	2								·····

34	$1\frac{3}{4} \times 10 =$	
	$\frac{13}{14} \times \frac{10}{1} = 1030 \text{ or } 10 \text{ or } 172$	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 mark



35	$\frac{5}{6} \times 540 =$	
	6540	
	90 × 5 450	
	450	1 mark

36	8	3	8	IQI	9 - '5	1		·····	8 6 4	36.		7 8	12 33	0		
Show your method			-	455	7 (8 8 1 6 1 6 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1			44	3 9 8	21		7	84	3 7	2 m	arks



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