



1. Write these fractions as decimals.

(i) $\frac{3}{4}$

[1]

(ii) $\frac{21}{100}$

[1]

2. Vivek has £10 079 in his bank account.

Vivek pays a bill for this amount from his account:

five hundred and forty-two pounds eighty pence.

(i) Write this amount in pounds, in figures.

£ ----- [1]

(ii) How much money is left in Vivek's account after paying this bill?

£ ----- [2]



3.

$$\frac{5}{8} = 0.625$$

Use this result to work out $\frac{1}{8}$ as a decimal.

[2]



4. Work out.

$$3.8 - 2.3$$

----- [1]



5.

(i) Complete the following using a decimal.

$$\frac{27}{100} = \square$$

[1]

(ii) Complete the following using a whole number.

$$0.\dot{3} = \frac{1}{\square}$$

[1]



6(a). Work out.

$$6.02 \times 100$$

----- [1]



(b). $72.548 \div 1000$

----- [1]

7. A bottle of water costs two pounds and seven pence.
Eleanor buys 8 bottles.

Calculate the total cost.

£ ----- [2]

8. Write $\frac{7}{9}$ as a recurring decimal.

----- [1]



9. Felix wants to work out how much it costs him to use his tumble dryer.
The tumble dryer uses 1.9 units of electricity to dry one load of washing.
Felix dries four loads of washing each week.
He pays 12.8 p for every unit of electricity he uses.

Work out the weekly cost, in pence, of using the tumble dryer.

----- p [4]

10.

Write $\frac{5}{8}$ as a decimal.

----- [1]



11.

Four friends buy cinema tickets using this offer.

<p style="text-align: center;">Cinema tickets</p> <p style="text-align: center;">Buy 3 tickets and get a ticket free</p>
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They **each** pay £6.45.

How much does a ticket cost?

£ [3]



12. Write 0.26 as a fraction.
Give your answer in its simplest form.

----- [2]

13.
Elsie changes $\frac{3}{8}$ to a decimal.

This is her working.

$\frac{3}{8}$ is $\frac{1}{8}$ more than $\frac{1}{4}$

$\frac{1}{4}$ is the same as 0.14

$\frac{1}{8}$ is $\frac{1}{4} \times 2 = 0.28$

so $\frac{3}{8} = 0.14 + 0.28 = 0.42$

Where a line of working is wrong, write the correct working beside it. [3]

END OF QUESTION PAPER

Question			Answer/Indicative content	Marks	Part marks and guidance	
1		i	[0].75 final answer	1		<p>Examiner's Comments</p> <p>Many students found it hard to convert fractions to decimals and although (i) was answered correctly by many, 0.34 , 3.4 and 0.25, were common incorrect responses.</p>
		ii	[0].21 final answer	1		<p>Examiner's Comments</p> <p>Slightly better answered than the first part, 0.021, 2.1 and 21.0 were common inaccuracies in (ii).</p>
			Total	2		
2		i	542.80	1	<p>Condone extra p</p> <p>Examiner's Comments</p> <p>Both bits usually earned full marks. However, there were some issues with correct notation for sums of money such as £540.8.</p>	
		ii	9536.2[0]	2FT	<p>Condone extra p</p> <p>FT from 10079 – <i>their</i> 542.80</p> <p>M1 for 10079 – <i>their</i> 542.80 soi</p> <p>Examiner's Comments</p> <p>Both bits a common error in this part was to confuse the pence part, giving an answer of £540.08.</p>	
			Total	1		

Question			Answer/Indicative content	Marks	Part marks and guidance	
3			[0].125	2	M1 for $0.625 \div 5$ soi or $0.625 - 0.5$ or answer x such that $0.1 < x < 0.15$	<u>Examiner's Comments</u> Some candidates confidently found a solution to $0.625 \div 5$. Others stated this but did not take it further to reach a solution or made errors ending with result 0.1 to 0.15. A common error was to divide by 8.
			Total	2		
4			1.5	1	<u>Examiner's Comments</u> The question was well done with few errors. The common wrong answer was 2.5.	
			Total	1		
5					<u>Examiner's Comments</u> This was quite well done and many had a ruler and pencil. Some went to great pains to draw another similar rectangle and lost the mark. Some drew a rotation of the rectangle or of an enlarged version. Very few candidates drew a different shape entirely such as a parallelogram or triangle.	
		i	[0].27	1	Allow 27% or fraction equivalent to	
		ii	3	1		
			Total	2		

Question			Answer/Indicative content	Marks	Part marks and guidance	
6	a		602	1	Examiner's Comments This showed numerous misconceptions with many confusing the methods for multiplying and dividing.	
	b		0.072548	1	Examiner's Comments The (incorrect) concept of moving the decimal point was general executed well particularly in the multiplication where the problem was not compounded by having to add zeros. The division caused considerably more problems mainly due to a failure to comprehend the need, or process, for adding zeros after the decimal point. Many simply moved the decimal point to its "limit" giving an answer of 0.72548.	
			Total	2		
7			16.56	2	M1 for 2.07×8 Examiner's Comments The most common error was to write 2.7, rather than 2.07.	accept 16.56p
			Total	2		

Question		Answer/Indicative content	Marks	Part marks and guidance	
8		0.7 or 0.777[7...]	1	<p>Examiner's Comments</p> <p>Some candidates found the correct answer and we were generous in interpreting the notation used for a recurring decimal. Candidates must try to use standard notation. Answers such as 0.77777778 were common incorrect responses, presumably from calculator displays.</p>	All decimal digits seen must be 7 to award mark Accept any clear indication for recurring notation eg 0.77, 0.777' or 0.7 ^r , but do not accept 0.7r
		Total	1		
9		97.28 [p]	4	<p>B3 for 24.32 seen from 12.8×1.9 or answer £97.28 or figs 9728</p> <p>OR</p> <p>M1 for $1.9 \times 4 \times 12.8$ soi</p> <p>AND</p> <p>B1 for figs 76, 512, 38, 152, 1152 896, 768, 608, 4608 or 95 seen</p> <p>AND</p> <p>B1 for answer in range 87 to 104</p> <p>Examiner's Comments</p> <p>There were many good attempts at solving this problem. Inevitably the complicated arithmetic was too much for many candidates, but most obtained some part marks for a correct method and a partially correct solution.</p>	<p>allow rounding of 97.28 seen for 4 marks</p> <p>May be seen in stages, may be done in any order but not using rounded values. Condone additional multiplication by 7</p>
		Total	4		

Question			Answer/Indicative content	Marks	Part marks and guidance		
10			[0].625	1			
			Total	1			
11			8.60	3	M2 for 6.45 × 4 ÷ 3 oe Or M1 for 6.45 × 4 oe or 25.8[0] seen		
			Total	3			

Question		Answer/Indicative content	Marks	Part marks and guidance		
12		$\frac{13}{50}$ final answer	2	<p>M1 for</p> <p>$\frac{26}{100}$ seen</p> <p>After 0 scored, SC1 for their fraction written in simplest form</p> <p>Examiner's Comments</p> <p>This was well answered and many cancelled down the fraction correctly. A common error was $\frac{26}{100}$ $\frac{12}{50}$ to cancel to resulting in an $\frac{6}{25}$ incorrect answer of</p> <p>When full marks were not earned, most scored M1 for $\frac{26}{100}$ showing</p>	<p>SC1 dep on a fraction that reduces</p>	
		Total	2			

Question		Answer/Indicative content	Marks	Part marks and guidance	
13		(Line 2) [0].25 seen (Line 3) $[\frac{1}{4}] \div 2$ or $\times [0].5$ oe (Line 4) $[0].25 + [0].125 = [0].375$	1 1 1	Ignore anything on line 1. Ignore extras in all lines if not wrong or contradictory No FT from wrong values above	
		Total	3		