

**Q1.** Given that  $32 \times 14 = 448$

write down the value of

(a)  $32 \times 1.4$

.....

(1)

(b)  $0.32 \times 14$

.....

(1)

(c)  $448 \div 320$

.....

(1)

(Total 3 marks)

**Q2.** Using the information that

$$4.8 \times 34 = 163.2$$

write down the value of

(a)  $48 \times 34$

.....

(1)

(b)  $4.8 \times 3.4$

.....

(1)

(c)  $163.2 \div 48$

.....

(1)  
(Total 3 marks)**Q3.** Use the information that

$$322 \times 48 = 15\,456$$

to find the value of

(a)  $3.22 \times 4.8$

.....

(1)

(b)  $0.322 \times 0.48$

.....

(1)

(c)  $15\,456 \div 4.8$

.....

(1)  
(Total 3 marks)

M1.

	Answer	Mark	Additional Guidance
(a)	44.8	1	<b>B1</b> for 44.8 cao
(b)	4.48	1	<b>B1</b> for 4.48 cao
(c)	1.4	1	<b>B1</b> for 1.4 cao
<b>Total for Question: 3 marks</b>			

M2.

	Working	Answer	Mark	Additional Guidance
(a)		1632	1	<b>B1</b> for 1632 or 1632.0
(b)		16.32	1	<b>B1</b> for 16.32 cao
(c)		3.4	1	<b>B1</b> for 3.4 cao
<b>Total for Question: 3 marks</b>				

M3.

	Answer	Mark	Additional Guidance
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(a)	15.456	1	<b>B1</b> cao
(b)	0.15456	1	<b>B1</b> cao
(c)	3220	1	<b>B1</b> cao
<b>Total for Question: 3 marks</b>			

**E1.** This question was not well understood with few candidates gaining all three marks. Candidates gained most success with part (b) whilst part (c) was only seldom answered correctly. A surprising number of candidates tried to use long multiplication methods to find the answer, often with little success.

**E2. Foundation**

Many candidates were successful in part (a). Slightly fewer gave the correct answer in part (b) and a common error was for 163.2, instead of 16.32, to be given. Part (c) was answered least well. Here, a very common incorrect answer was 34. A significant number of candidates did not use the information given at the start of the question and attempted to work out each calculation from scratch. These attempts almost invariably failed.

**Higher**

This question was done well by the vast majority of the candidates. A small number of candidates tried to do the various calculations rather than use the information provided, but few of these attempts resulted a correct answer. Common incorrect answers in part (c) were 34 and (more rarely) 340.

**E3. Foundation**

In part (a), 57% gave the correct answer. Parts (b) and (c) were less well done, with incorrect positioning of the decimal point accounting for the majority of the errors made.

**Higher**

Part (a) was answered correctly by about 90% of the candidates and almost 70% were

successful in part (b). Many of those who answered (b) incorrectly did not appreciate that the answer had to be less than 1. Part (c) proved to be the most difficult with about half of the candidates giving the correct answer. The most common incorrect answer in this part was 32.20.