Q1.   Given that   32 × 14 = 448

write down the value of

(a)   32 × 1.4

....

(1)

(b)   0.32 × 14

....

(1)

(c)   448 ÷ 320

....

(1)
(Total 3 marks)

Q2.   Using the information that

4.8 × 34 = 163.2

write down the value of

(a)   48 × 34

....

(1)

(b)   4.8 × 3.4

....

(1)

(c)   163.2 ÷ 48

....
(1)
(Total 3 marks)

Q3.   Use the information that

322 × 48 = 15 456

to find the value of

(a)   3.22 × 4.8

....
(1)

(b)   0.322 × 0.48

....
(1)

(c)   15 456 ÷ 4.8

....
(1)
(Total 3 marks)

M1.

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

M2.

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

M3.

	Answer	**Mark**	**Additional Guidance**

(a)	15.456	1	**B1** cao
(b)	0.15456	1	**B1** cao
(c)	3220	1	**B1** cao
			Total for Question: 3 marks

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.