

2 What is the value of the digit **three** in 10.347?

3 tens

This answer is: Correct Incorrect

If incorrect, explain the error.

3 $52 \times 0.4 =$

52 can be split into 10 x 5 x 2
$0.4 \times 10 = 4$
$4 \times 5 = 20$
$20 \times 2 = 40$

40

This answer is: Correct Incorrect

Explain how to solve this calculation.

4 Write 3.5 as a mixed number fraction.

$\frac{3.5}{1}$

This answer is: Correct Incorrect

If incorrect, explain the error.

5 $73.4 \div 100 =$

$73.4 \div 10 = 7.34$
$7.34 \div 10 = 0.734$

0.734

This answer is: Correct Incorrect

Is there an easier way to solve this calculation?

Answers

Q no.	Question	Correct/ Incorrect	Error/ Additional Guidance
1	$5.304 \times 100 = 534$	Incorrect	The pupil has not remembered that 0 is an important place holder and can not be removed in the given number. By removing 0, the pupil has changed the value of the digit '4'. Correct answer - 530.4
2	What is the value of the digit three in 10.347? 3 tens	Incorrect	The pupil does not have a good understanding of the place value of decimals. This could be the result of the pupil not hearing the 'th' sound at the end of 'tenths'. Correct answer - 3 tenths
3	$52 \times 0.4 = 40$	Incorrect	The pupil's misunderstanding is clear from their first calculation. They have attempted to make 52 easier to multiply by splitting it into its factors, however, by writing the calculation in the way they have ($10 \times 5 \times 2$) they would not find 52×0.4 and would instead find 100×0.4 . To use the process the pupil has attempted, it would be easier to write the calculation as $50 \times 0.4 + 2 \times 0.4$. This would prevent the pupil becoming confused. Alternatively, the pupil could use column multiplication to calculate the answer. Correct answer - 20.8
4	Write 3.5 as a mixed number fraction $\frac{3.5}{1}$	Incorrect	The pupil has not understood that the question has asked for a mixed number fraction. They do not understand that the digit 3 represents 3 wholes. The pupil may also not understand what a mixed number fraction is. A mixed number fraction contains a whole number and a fraction. Correct answer - $3\frac{5}{10}$ or $3\frac{1}{2}$
5	$73.4 \div 100 = 0.734$	Correct	The pupil has found the correct answer, however their method could be confusing. Using this method, it could be easy to divide by too many or too few tens. An 'easier' method could be to use a place value grid to move the digits two places to the right.