Teacher Notes

Stage 6, Unit 1: <u>Numbers and the number system</u>

Check in

The following boarding card is intended to check that your students have a secure grasp of the knowledge required for this unit, with the intention of it being used diagnostically rather than as a summative test:

- Understand and use place value in numbers with up to seven digits
- Multiply and divide whole numbers by 10, 100, 1000
- Multiply and divide numbers with one decimal place by 10, 100, 1000
- Know the meaning of 'factor' and 'multiple' and 'prime'

ANSWERS:

- 1 6 ten thousands or 60,000 or sixty thousand.
- 2 12,012,012
- 3 3600
- 4 0.126
- 5 326
- 6 70
- 7 0.00345
- 8 No. It is a multiple
- 9 Possible answers: 6, 12, 18, 24, 30, 36, 42, ...
- 10 A number with exactly two factors.

	Stage 6 Unit 1 take-off
 Destination: Numbers and the number system What is the value of digit 6 in the number 34, 465, 123? Write the number twelve million, twelve thausand and twelve Calculate 36 × 100 What is 126 + 1000? What is 32.6 × 10? Calculate 0.7 × 100 Calculate 3.45 ÷ 1000 Kenny thinks 15 is a factor of 5. Do you agree? Explain your answer Define a prime number. 	Name: Things to remember:
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1	What is the value of digit 6 in the number 34, 465, 123?	Name:
2	Write the number twelve million, twelve thousand and twelve	
4	What is 126 ÷ 1000?	
5	What is 32.6 x 10?	
6	Calculate 0.7 x 100	
7	Calculate 3.45 ÷ 1000	
8	Kenny thinks 15 is a factor of 5. Do you agree? Explain your answer	
9	Find 4 multiples of 6	
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