## Teacher Notes

## Stage 7, Unit 1: Numbers and the number system

## 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:

- Know how to find common multiples of two given numbers
- Know how to find common factors of two given numbers
- Recall multiplication facts to $12 \times 12$ and associated division facts


## ANSWERS:

1 Acceptable answers: $18,36,54,90, \ldots .$.
236
3 No. It is a common multiple
4 Acceptable answers: 1 or 2
$5 \quad 56$
$6 \quad 12$
$7 \quad 132$
$8 \quad 12$
$9 \quad 6 \times 6,3 \times 12,1 \times 36$
$10=$

Destination: Numbers and the number system
1 Find a common multiple of 6 and 9
Find the lowest common multiple of 9 and 12
2 Find the lowest common multiple of 9 and 12
Kenny thinks a common factor of 8 and
your
your answer

> your answer Find a common factor of 8 and 6

| What is $7 \times 8$ ? | 6 | Find $84 \div 7$ |
| :--- | :--- | :--- |
|  | 8 | Find $108 \div 9$ |

7 Calculate $11 \times 12$
9. Find three multiplication facts with the same product as $4 \times 9$

10 Use $\alpha_{1}=$, $>$ to complete the statement:

## Destination: Numbers and the number system

1 Find a common multiple of 6 and 9
2 Find the lowest common multiple of 9 and 12
3 Kenny thinks a common factor of 8 and 16 is 32. Do you agree? Explain your answer
$4 \quad$ Find a common factor of 8 and 6
5 What is $7 \times 8$ ? 6 Find $84 \div 7$
7 Calculate $11 \times 12 \quad 8 \quad$ Find $108 \div 9$
9 Find three multiplication facts with the same product as $4 \times 9$
10 Use $<,=,>$ to complete the statement: $72 \div 8 \bigcirc 63 \div 7$
$\qquad$
7 Calculate $11 \times 12 \quad 8$ Find $108 \div 9$


```
Destination: Numbers and the number system
1 Find a common multiple of 6 and 9
2 Find the lowest common multiple of 9 and 12
3 Kenny thinks a common factor of 8 and 16 is 32. Do you agree? Explain
    your answer
4 Find a common factor of 8 and 6
5 What is 7x 8 ? % Find 84\div7
7 Calculate 11\times12 8 Find 108\div9
9 Find three multiplication facts with the same product as 4 4 9
10 Use <, =, > to complete the statement: 72\div8}63\div
3 Kenny thinks a common factor of 8 and 16 is 32 . Do you agree? Explain your answer
\(4 \quad\) Find a common factor of 8 and 6
5 What is \(7 \times 8\) ? 6 Find \(84 \div 7\)
7 Calculate \(11 \times 12 \quad 8 \quad\) Find \(108 \div 9\)
9 Find three multiplication facts with the same product as \(4 \times 9\)
10 Use <, =, > to complete the statement: \(72 \div 8\) \(\square\) \(63 \div 7\)
```

Stage 7 Unit 1 take-off Name: $\qquad$
Things to remember:


## Destination: Numbers and the number system

1 Find a common multiple of 6 and 9
2 Find the lowest common multiple of 9 and 12
$\qquad$
Things to remember:
3 Kenny thinks a common factor of 8 and 16 is 32. Do you agree? Explain your answer
$4 \quad$ Find a common factor of 8 and 6
$5 \quad$ What is $7 \times 8$ ?
6 Find $84 \div 7$
7 Calculate $11 \times 12$
8 Find $108 \div 9$
9 Find three multiplication facts with the same product as $4 \times 9$
10 Use <, =, > to complete the statement: $72 \div 8$$63 \div 7$


