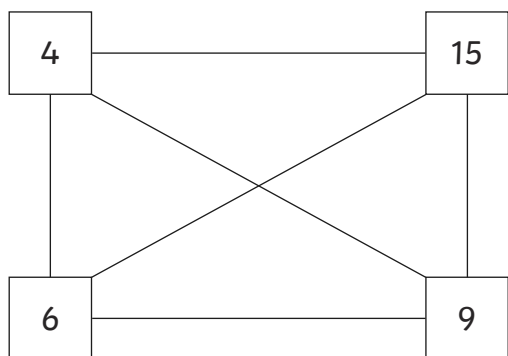# Factors, Multiples and Prime Numbers

I can identify common factors, common multiples and prime numbers.

1) What is the highest common factor of 32 and 52 multiplied by the highest common factor of 12 and 48?

_____

2) Work out the lowest common multiple of each pair of linked numbers.

4		15
6		9

4 and 15   _____

4 and 9   _____

4 and 6   _____

15 and 9   _____

15 and 6   _____

9 and 6   _____

3) Write three pairs of prime numbers that, when added together, create square numbers.

_____ and _____

_____ and _____

_____ and _____

twinkl planit

visit twinkl.com

Maths I Year 6 I Addition, Subtraction, Multiplication and Division I Common Factors, Multiples and Prime Numbers I
Home Learning Task: Factors, Multiples and Prime Numbers

Factors, Multiples and Prime Numbers **Answers**

Question	Answer
1.	What is the highest common factor of 32 and 52 multiplied by the highest common factor of 12 and 48?
	$4 \times 12 = 48$
2.	Work out the lowest common multiple of each pair of linked numbers.
	4 and 15 **60** 15 and 9 **45** 4 and 9 **36** 15 and 6 **30** 4 and 6 **12** 9 and 6 **18**
3.	Write three pairs of prime numbers that, when added together, create square numbers.
	Example answers: 2 and 7, 11 and 5, 13 and 3, 47 and 2, 23 and 2

twinkl
planit
visit twinkl.com

Maths | Year 6 | Addition, Subtraction, Multiplication and Division | Common Factors, Multiples and Prime Numbers |
Home Learning Task: Factors, Multiples and Prime Numbers