Home Learning - Session 1

Year 6 - Reasoning (Multiplication - Prime Numbers)

Pupil Expectations

Focus Learning - Model Example

Circle the prime number.

25   30   31

Explain how you know the other

numbers are not prime.

(2 marks)

Step 1: Prime numbers -

2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31

Answer: 31

Prime numbers are special numbers that can only be divided by themselves and 1. 19 is a prime number. It can only be divided by 1 and 19.

Year 6 Expected

1. Circle the prime number.

   95   89   87

   Explain how you know the other

   numbers are not prime.

   (2 marks)

2. Circle **all** the prime numbers.

   83   85   97

   Explain how you know the other

   number is not prime.

   (2 marks)

Year 6 Mastery

Chen chooses a prime number.

He multiplies it by 10 and then rounds it to the nearest hundred.

His answer is 400.

Write all the possible prime numbers Chen could have chosen.

(3 marks)