

Home Learning - Session 3

Year 6 - Reasoning (Multiplication - Factors)

Pupil Expectations

Fluency in maths is about developing number sense and being able to the most appropriate method for the task at hand; to be able to apply a skill to multiple contexts.

Reasoning is seen as the glue that bonds pupils' mathematical skills together; it's also seen as bridging the gap between fluency and problem solving, allowing pupils to use their fluency to accurately carry out problem solving.

Focus Learning - Model Example

Write all the factors of 15
which are also factors of 10

Step 1: Factor pairs are
1 and 15, 3 and 5

Step 2: Factor pairs 1
and 10, 2 and 5.

Answer: 1 and 5

Year 6 Expected

1. Write all the factors of 30
which are also factors of 20
(2 marks)
2. Write three factors of 30 that
are **not** factors of 15
(2 marks)
3. Circle all the prime factors of 30
2 3 5 6 10
(2 marks)

Year 6 Mastery

4. The factors of 11
sum to 12. Write the
other number whose
factors sum to 12.

(3 marks)