

Mathematics

Prime Building Blocks

Downloadable Resource

Mr Langton



Prime Building Blocks

1. Complete the frames to find ways of showing the numbers as products of different combinations of factors.

a) $24 = \text{---} \times \text{---}$ b) $120 = \text{---} \times \text{---}$
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2. Complete the frames so that each equation shows a number as the product of its prime factors.

a) $12 = 2 \times 3 \times \text{---}$ b) $20 = \text{---} \times 2 \times 5$
c) $30 = 2 \times \text{---} \times 5$ d) $36 = \text{---} \times 2 \times 3 \times 3$
e) $45 = 3 \times \text{---} \times \text{---}$ f) $54 = 2 \times 3 \times \text{---} \times \text{---}$

3. The numbers below have been cut out of a 100 square and the numbers rubbed out. Use the clues to write the correct numbers back in the grids.

