

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) $24 = ___ \times ___$

$24 = ___ \times ___ \times ___$

$24 = ___ \times ___ \times ___ \times ___$

b) $120 = ___ \times ___$

$120 = ___ \times ___ \times ___$

$120 = ___ \times ___ \times ___ \times ___$

2. Complete the frames so that each equation shows a number as the product of its prime factors.

a) $12 = 2 \times 3 \times ___$

b) $20 = ___ \times 2 \times 5$

c) $30 = 2 \times ___ \times 5$

d) $36 = ___ \times 2 \times 3 \times 3$

e) $45 = 3 \times ___ \times ___$

f) $54 = 2 \times 3 \times ___ \times ___$

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.

