

# Challenge 1 Sheet Multiplication and Division Mosaic

Solve the questions in the squares below. Colour in the squares with the colours based on your answer. What picture will you make?

**Blue:** 4, 8, 18, 24, 40, 48

**Red:** 6, 16, 60, 64

**Green:** 0, 1, 2, 10, 12, 20, 21, 27

**Purple:** 3, 30, 36

**Pink:** 5, 25, 35, 72, 125

$?^2 = 4$	$10 \div ? = 2$	$9 \times 0 =$	$3^3$	$18 \div 9 =$	$7 \times ? = 70$	$? \div 5 = 5$	$? \div 5 = 2$
$12 \times 6 =$	$?^2 = 9$	$6 \times 1 =$	$20 \div 20 =$	$5 \times 4 =$	$6 \times 10 =$	$5 \times 6 =$	$5^3$
$? \div 3 = 12$	$4^3$	$2^2$	$8 \times 9 =$	$7 \times 5 =$	$? \times 1 = 8$	$? \div 8 = 2$	$27 \div ? = 9$
$8 \times 2 =$	$? \div 12 = 2$	$? \div 12 = 5$	$6 \times 3 =$	$? \div 10 = 4$	$30 \div 6 =$	$? \div 8 = 6$	$8^2$
$64 \div ? = 8$	$?^2 = 25$	$? \div 10 = 3$	$? \div 4 = 6$	$32 \div 8 =$	$? \div 8 = 8$	$2 \times 2 \times 2 =$	$9 \times 2 =$
$21 \div 7 =$	$?^2 = 16$	$8 \times 5 =$	$4^2$	$10 \times 3 =$	$?^3 = 64$	$6^2$	$54 \div ? = 9$
$100 \times 0 =$	$6 \times 4 =$	$48 \div 6 =$	$? \div 5 = 7$	$8 \times 6 =$	$?^2 = 36$	$? \div 8 = 5$	$? \div 12 = 1$
$3 \times 9 =$	$14 \div 14 =$	$?^3 = 125$	$2^3$	$45 \div 9 =$	$5^2$	$?^3 = 8$	$? \div 2 = 10$
$?^2 = 100$	$24 \div ? = 12$	$? \div 2 = 6$	$? \div 10 = 6$	$4 \times 12 =$	$10 \times ? = 100$	$? \div 3 = 7$	$1^2$
$2 \times 10 =$	$15 \times 0 =$	$? \div 5 = 4$	$3 \times 3 \times 3 =$	$1 \times 1 =$	$2 \times 2 \times ? = 8$	$? \times 1 = 12$	$8 \times ? = 0$