

Half Acres Primary Academy

MATHS CHALLENGE 13

TASK	Prime numbers, square numbers & square roots
REWARD	Directional compass

Square Numbers and Square Roots

In mathematics, a square number is a number that is multiplied by the same number. For example, 25 is a square number, since it can be written as 5×5 . It can also be written as $5^2 = 25$. Finding the square root of a number is the inverse operation of squaring that number. For example $25 \div 5 = 5$. This can be written as $\sqrt{25} = 5$.

List of First 12 Square Numbers

List of square Roots

Number	Square		square	Square root
1	1	$=1 \times 1$		
2	4	$=2 \times 2$	4	$4 \div 2 = 2$
3	9	$=3 \times 3$	9	$9 \div 3 = 3$
4	16	$=4 \times 4$	16	$16 \div 4 = 4$
5	25	$=5 \times 5$	25	$25 \div 5 = 5$
6	36	$=6 \times 6$	36	$36 \div 6 = 6$
7	49	$=7 \times 7$	49	$49 \div 7 = 7$
8	64	$=8 \times 8$	64	$64 \div 8 = 8$
9	81	$=9 \times 9$	81	$81 \div 9 = 9$
10	100	$=10 \times 10$	100	$100 \div 10 = 10$
11	121	$=11 \times 11$	121	$121 \div 11 = 11$
12	144	$=12 \times 12$	144	$144 \div 12 = 12$

Prime numbers: A **prime number** is a whole number greater than 1, whose only two whole-number factors are 1 and itself

2 3 5 7 11 13 17 19 23 29
 31 37 41 43 47 53 59 61 67 71
 73 79 83 89 97 101