Multiples; Common Multiples; Factors; Common Factors; Prime Numbers; Square Numbers; Cube Numbers; Multiply by 10, 100 and 1,000; Divide by 10, 100 and 1,000; Multiples of 10, 100 and 1,000.


| $\theta$ | SQUARE NUMBERS UP TO $12 \times 12$ | CUBE NUMBERS UP TO $10 \times 10 \times 10$ |
| :---: | :---: | :---: |
|  | $1 \times 1$ or $1^{2}=$ |  |
|  | $2 \times 2$ or $2^{2}=4$ | $1 \times 1 \times 1$ or $1^{3}=1$ |
|  | $3 \times 3$ or $3=9$ | $2 \times 2 \times 2$ or $2^{3}=8$ |
|  | $4 \times 4$ or $4=10$ $5 \times 5$ or $5^{2}=25$ | $3 \times 3 \times 3$ or $3^{3}=27$ |
|  | $6 \times 6$ or $6^{2}=36$ | $4 \times 4 \times 4$ or $4^{3}=64$ |
|  | $7 \times 7$ or $7^{2}=49$ - | $5 \times 5 \times 5$ or $5^{3}=125$ |
|  | $8 \times 8$ or $8^{2}=64$ | $6 \times 6 \times 6$ or $6^{3}=216$ |
|  | $9 \times 9$ or $9^{2}=81$ | $7 \times 7 \times 7$ or $7^{3}=343$ |
|  | $10 \times 10$ or $10^{2}=100$ | $8 \times 8 \times 8$ or $8^{3}=512$ |
|  | $11 \times 11$ or $11^{2}=121$ | $9 \times 9 \times 9$ or $9^{3}=729$ |
|  | $12 \times 12$ or $12^{2}=144$ | $10 \times 10 \times 10$ or $10^{3}=1,000$ |

Multiplication and division are used in every day life. What if you had to work out the price of cinema tickets for a family? Or split a bill at a restaurant.


## Key Vocabulary

Multiple - The number you get when you multiply one number by another. The multiples of 5 are $5,10,15,20$ etc.

Factors - A number that divides exactly into another number without a remainder. All even numbers have 2 as a factor.

Prime Numbers - A number that only has two factors - one and itself e.g. 7.

Square Numbers - The result when a number is multiplied by itself. 25 is a square number because $5 \times 5=25$.

