

Multiplication

Key Objective

Show an interest in number problems.

Verbally count in steps

1

Singing songs

Two, four, six, eight,
who do we appreciate?

Nursery Rhymes



One, two, buckle my shoe,
three, four open the door,
five, six, pick up sticks,
seven, eight, lay them straight.

Practically count in groups during play

2

Without number sentence



Key Vocabulary

groups of, lots of, count.

Nursery

Multiplication

Key Objective

Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication.

Short column multiplication

1

Multiplying an integer by a decimal

$$\begin{array}{r} \text{£}13.85 \times 5 \\ \hline 1385 \\ \times \quad 5 \\ \hline 6925 \\ \hline = 69.25 \end{array}$$

Take decimal points out

Multiply

Count total decimal places from original numbers

Add decimal point back in

Long column multiplication

2

THHTO x TO

$$\begin{array}{r} 2564 \\ \times \quad 23 \\ \hline 7692 \\ 51280 \\ \hline 58972 \end{array}$$

Cross out once used!

3

Decimal x decimal, e.g. 2.49 x 4.3

$$\begin{array}{r} 249 \\ \times 43 \\ \hline 747 \\ 9960 \\ \hline 10707 \end{array}$$

Take decimal points out

Multiply

Count total decimal places from original numbers

$$2.49 \times 4.3 \text{ (3d.p.)}$$

$$10.707$$

Key Vocabulary

groups of, lots of, times, array, altogether, multiply, count, multiplied by, repeated addition, column, row, commutative, sets of, equal groups, times as big as, once, twice, three times, partition, grid method, multiple, product, tens, ones, value, inverse, square, factor, integer, decimal, short / long multiplication, carry, tenths, hundredths.

Year 6