

Division

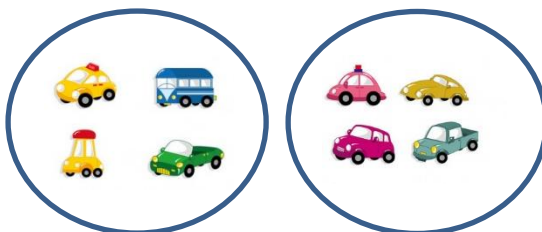
Key Objective

Show an interest in number problems.

Sharing

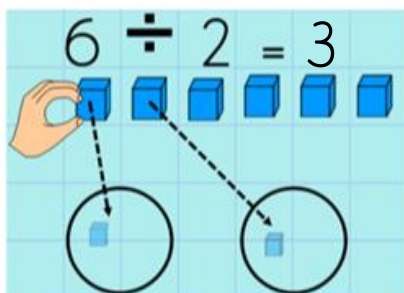
1

Sharing through play



2

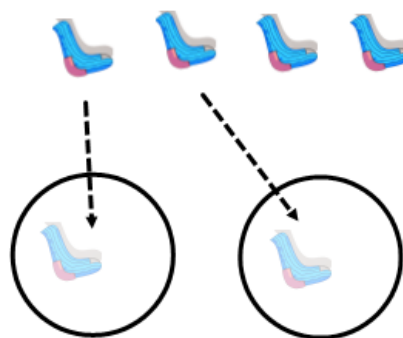
Using objects



"1 for you and 1 for you"

3

Using pictures



Key Vocabulary

share, share equally, one each, two each.

Nursery

Division

Key Objective

Write and calculate mathematical statements for division using mental and progressing to formal written methods.

Divide mentally and relate to multiplication

1

Multiplication and division facts

$3 \times 4 = 12$

$12 \div 4 = 3$

$4 \times 3 = 12$

$12 \div 3 = 4$

$4 \times 9 = 36$

$36 \div 9 = 4$

$9 \times 4 = 36$

$36 \div 4 = 9$

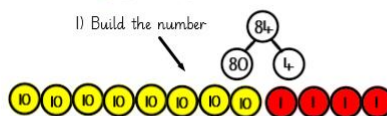
Divide using counters (sharing)

2

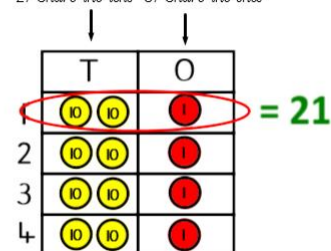
TO \div O No exchanging

$84 \div 4$

1) Build the number



2) Share the tens 3) Share the ones

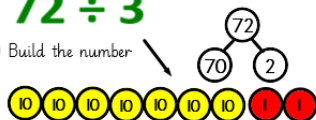


3

TO \div O with exchanging

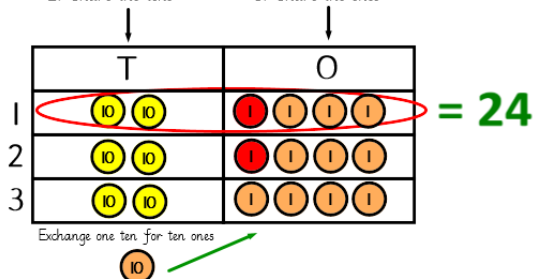
$72 \div 3$

1) Build the number



2) Share the tens

3) Share the ones



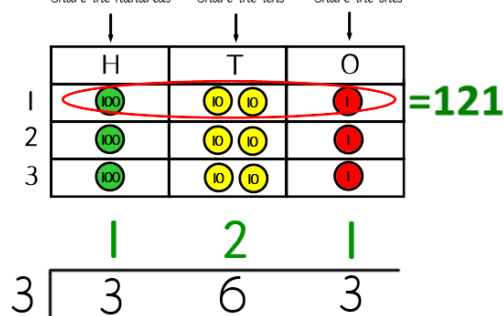
4

HTO \div O
introduce short
division layout

Please note:
Tasks should
be practical
and no
drawings
needed.

$363 \div 3$

Share the hundreds Share the tens Share the ones



Key Vocabulary

share, share equally, one each, two each..., group, groups of, lots of, array, divide, divided by, divided into, division, grouping, number line, left, left over, inverse, short division, carry, remainder, multiple.

Year 3

Division

Key Objective

Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and short division.

Short division

1 Decimal \div integer

$$\begin{array}{r} \text{£ } 2.34 \\ 4 \overline{) \text{£ } 9.36} \end{array}$$

$$\text{£ } 2.34$$

Context of money
e.g. $\text{£}9.36 \div 4 = \text{£}2.34$

Long division

2 2-digit divisor

$$3519 \div 23 = 153$$

$$\begin{array}{r} 0153 \\ 23 \overline{) 3519} \\ \underline{- 23} \\ 121 \\ \underline{- 115} \\ 69 \\ \underline{- 69} \\ 0 \end{array}$$

$$= 153$$

Mental working out		
23	x 1	= 23
23	x 2	= 46
23	x 3	= 69
23	x 4	= 92
23	x 5	= 115

End with a



DMS↓loop

Divide Multiply Subtract

Key Vocabulary

share, share equally, one each, two each..., group, groups of, lots of, array, divide, divided by, divided into, division, grouping, number line, left, left over, inverse, short division, carry, remainder, multiple, divisible by, factor, quotient, prime number, prime factors, composite number (non-prime), common factor.

Year 6