

Number and Place Value

Knowledge Organiser

Key Vocabulary

hundreds

tens

ones

zero

place value

greater than

less than

order

partition

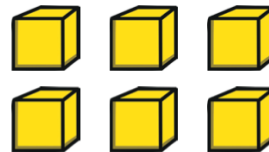
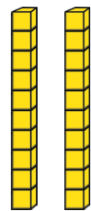
digit

2-Digit Numbers

26

twenty

six



20

6

Counting

Counting in 2s

0 2 4 6 8 10 12 14 16 18 20

Counting in 3s

0 3 6 9 12 15 18 21 24 27 30

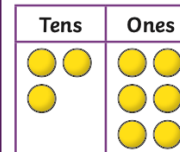
Counting in 5s

0 5 10 15 20 25 30 35 40 45 50

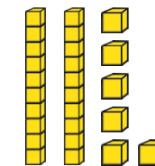
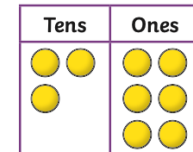
Counting in 10s

0 10 20 30 40 50 60 70 80 90 100

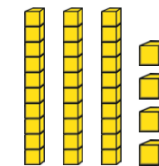
Compare Numbers



36 = 36
equals



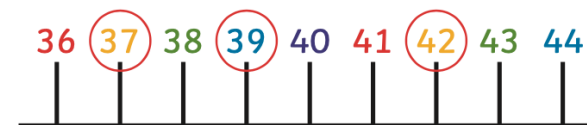
26 < 34
less than



24 > 19
greater than



Order Numbers



37 < 39 < 42



Addition and Subtraction

Knowledge Organiser

Key Vocabulary

Add

Total

Make

Plus

Sum

More

Altogether

Difference

Leave

Subtract

Difference between

Less

Minus

Take away

Mentally, Orally

Column Addition

Column Subtraction

Estimate

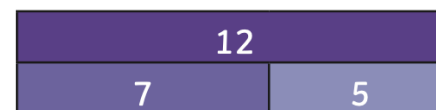
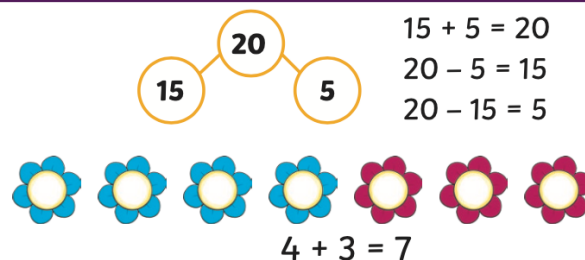
Inverse operation

Solve problems

Number facts

Place Value

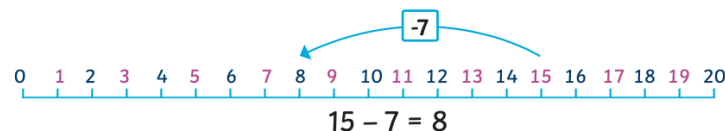
Addition and Subtraction Bonds to 20



$$7 + 5 = 12$$

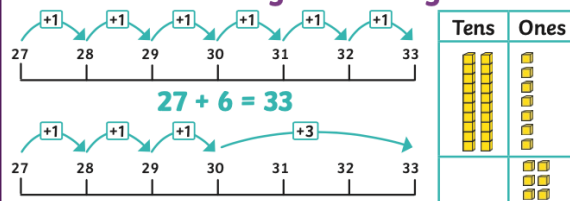
$$12 - 5 = 7$$

$$12 - 7 = 5$$



Methods

Add 2-digit and 1-digit



Add 2-digit numbers

$$34 + 28 = 62$$

3 tens and 4 ones

add

2 tens and 8 ones

equals

5 tens and 12 ones

becomes

6 tens and 2 ones

Subtract 2-digit numbers

$$62 - 28 = 34$$

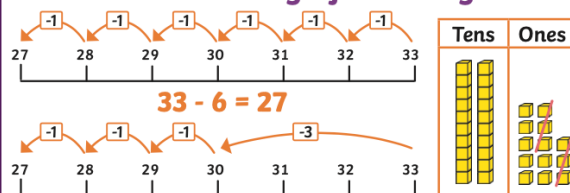
6 tens and 2 ones becomes

5 tens and 12 ones subtract

2 tens and 8 ones equals

3 tens and 4 ones

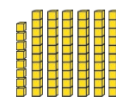
Subtract 1-digit from 2-digit



Addition and Subtraction Bonds to 100

$$2 + 8 = 10$$

so $20 + 80 = 100$



$$32 + 68 = 100$$

3 tens and 2 ones + 6 tens and 8 ones

= 9 tens and 10 ones = 10 tens = one hundred

Key Vocabulary

pence

pound

coin

note

total

amount

change

difference

price

cost

pay

owe

Pence



1p

1 penny



2p

2 pence



5p

5 pence



10p

10 pence



20p

20 pence



50p

50 pence

Pounds



£1

1 pound



£2

2 pounds



£5

5 pounds



£10

10 pounds



£20

20 pounds



£50

50 pounds

Pounds and Pence

£2 and 20p



Equal Amounts

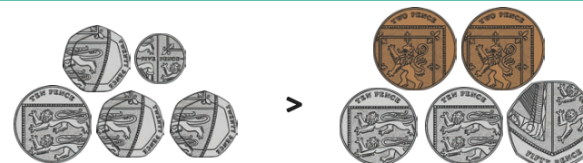


20p = 20p = 20p



£1 = £1 = £1

Compare Amounts

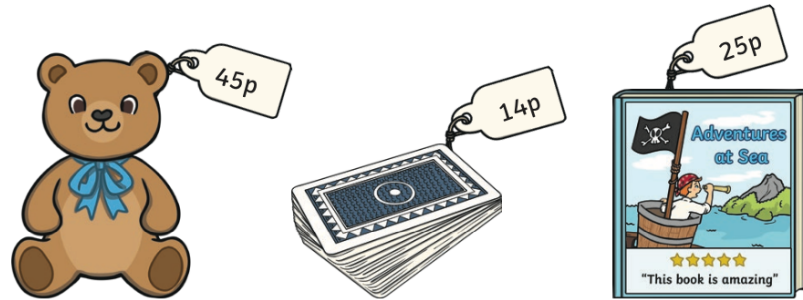


75p > 74p



£9 and 50p < £10

Find the Total



Lucy bought a teddy bear and some playing cards.



$$45p + 14p = 59p$$

Timek bought two books.



$$25p + 25p = 50p$$

Find the Change



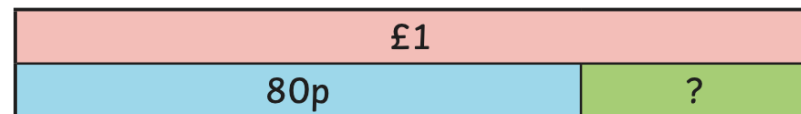
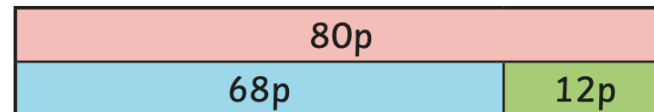
Lucy bought a jigsaw with a 50p coin. How much change did she get?



$$50p - 40p = 10p$$

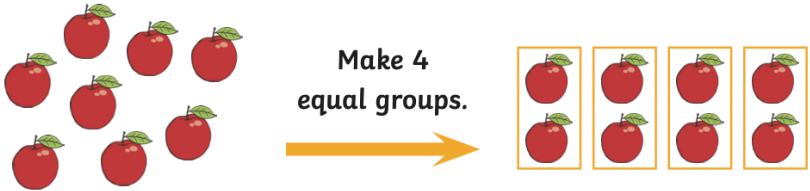
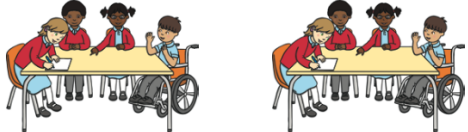
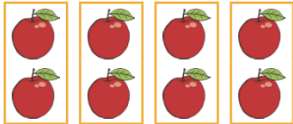
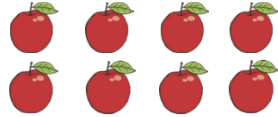


Timek bought a plant and a toy car. He paid with a £1 coin. How much change did he get?



$$£1 - 80p = 20p$$

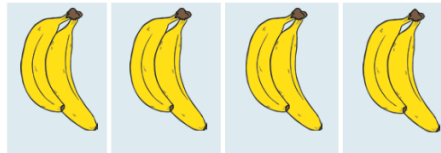


Multiplication and Division		Knowledge Organiser	
Key Vocabulary	Recognise Equal Groups	Make Equal Groups	
groups	 5 equal groups with 3 in each group	 Make 4 equal groups.	
equal groups			
lots of	 2 equal groups with 4 in each group	Add Equal Groups	
arrays		 $2 + 2 + 2 + 2 = 8$ apples	
repeated addition	 4 equal groups of 10	The Multiplication Symbol	
multiplication		 $4 \times 2 = 8$ $2 \times 4 = 8$ 8 apples	
times tables	 6 equal amounts of 5 pence	 $2 \times 5 = 10$ $5 \times 2 = 10$ 10 cookies	

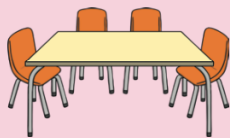
Multiplication and Division

Knowledge Organiser

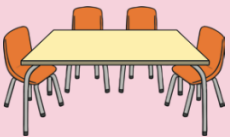
Multiplication from Pictures



$$4 \text{ lots of } 2 = 8$$



$$2 \text{ lots of } 4 = 8$$



Use Arrays



$$4 \text{ rows of } 10 = 40$$

$$10 \text{ columns of } 4 = 40$$

The 2 Times Table



$$6 \text{ lots of } 2 = 12$$

2	4	6	8	10	12	14	16	18	20	22	24
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The 5 Times Table



$$9 \text{ lots of } 5 = 45$$

5	10	15	20	25	30	35	40	45	50	55	60
---	----	----	----	----	----	----	----	----	----	----	----

The 10 Times Table



$$7 \text{ lots of } 10\text{p} = 70\text{p}$$

10	20	30	40	50	60	70	80	90	100	110	120
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