EARLY YEARS FOUNDATION STAGE

NUMBER

Number and place value

Number

zero

number

one, two, three ... to twenty and beyond teens numbers, eleven, twelve ... twenty

none

how many ...?

count, count (up) to, count on (from, to), count back (from, to)

count in ones, twos, fives, tens

is the same as

more, less

odd, even

few

pattern

pair

Place value

ones

tens

digit

the same number as, as many as

more, larger, bigger, greater

fewer, smaller, less

fewest, smallest, least

most, biggest, largest, greatest

one more, ten more

one less, ten less

compare

order

size

first, second, third... twentieth

last, last but one

before, after

next

between

Estimating

guess

how many ...?

estimate

nearly

close to

about the same as

just over, just under

too many, too few

enough, not enough

Addition and subtraction

add, more, and

make, sum, total

altogether

double

one more, two more ... ten more

how many more to make ...?

how many more is ... than ...?

how much more is ...?

take away

how many are left/left over?

how many have gone?

one less, two less, ten less ...

how many fewer is ... than ...?

how much less is ...?

difference between

Multiplication and division

sharing

doubling

halving

number patterns

Fractions

parts of a whole

half

quarter

MEASUREMENT

measure

size

compare

guess, estimate

enough, not enough

too much, too little

too many, too few

nearly, close to, about the same as

just over, just under

Length

metre

length, height, width, depth

long, short, tall

high, low

wide, narrow

thick, thin

longer, shorter, taller, higher ... and so on

longest, shortest, tallest, highest ... and so

on

far, near, close

Weight

weigh, weighs, balances

heavy, light

heavier than, lighter than

heaviest, lightest

scales

Capacity and volume

full

empty

half full

holds

container

Time

time

days of the week, Monday, Tuesday ...

day, week

birthday, holiday

morning, afternoon, evening, night

bedtime, dinner time, playtime

today, yesterday, tomorrow

before, after

next, last

now, soon, early, late

quick, quicker, quickest, quickly

slow, slower, slowest, slowly

old, older, oldest

new, newer, newest

takes longer, takes less time

hour, o'clock

clock, watch, hands

Money

money

coin

penny, pence, pound

price, cost

buy, sell

spend, spent

pay

GEOMETRY

Properties of shape

shape, pattern

flat

curved, straight

round

hollow, solid

sort

make, build, draw

size

bigger, larger, smaller symmetrical pattern, repeating pattern match

2-D shape

corner, side rectangle (including square) circle triangle

3-D shape

face, edge, vertex, vertices cube pyramid sphere cone

Position and direction

position over, under above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite apart between middle, edge corner direction left, right up, down

forwards, backwards, sideways

across
next to, close, near, far
along
through
to, from, towards, away from
movement
slide
roll
turn
stretch, bend
whole turn, half turn

STATISTICS

count, sort group, set list

GENERAL

pattern
puzzle
what could we try next?
how did you work it out?
recognise
describe
draw
compare
sor

YEAR 1

NUMBER

Number and place value

Number

number

numeral

zero

one, two, three ... twenty

teens numbers, eleven, twelve ... twenty

twenty-one, twenty-two ... one hundred

none

how many ...?

count, count (up) to, count on (from, to),

count back (from, to)

forwards

backwards

count in ones, twos, fives, tens

equal to

equivalent to

is the same as

more. less

most, least

many

odd, even

multiple of

few

pattern

pair

Place value

ones

tens

digit

the same number as, as many as

more, larger, bigger, greater

fewer, smaller, less

fewest, smallest, least

most, biggest, largest, greatest

one more, ten more

one less, ten less

equal to

one more, ten more

one less, ten less

compare

order

size

first, second, third... twentieth

last, last but one

before, after

next

between

half-way between

above, below

Estimating

guess

how many ...?

estimate

nearly

roughly

close to

about the same as

just over, just under

too many, too few

enough, not enough

Addition and subtraction

addition

add, more, and

make, sum, total

altogether

double

near double

half, halve

one more, two more ... ten more

how many more to make ...?

how many more is ... than ...?

how much more is ...?

subtract

take away
how many are left/left over?
how many have gone?
one less, two less, ten less ...
how many fewer is ... than ...?
how much less is ...?
difference between
equals
is the same as
number bonds/pairs
missing number

Multiplication and division

multiplication

multiply

multiplied by

multiple

division

dividing

grouping

sharing

doubling

halving

array

number patterns

Fractions

fraction

equal part

equal grouping

equal sharing

parts of a whole

half

one of two equal parts

quarter

one of four equal parts

MEASUREMENT

measure

measurement

size

compare

guess, estimate

enough, not enough

too much, too little

too many, too few

nearly, close to, about the same as

roughly

just over, just under

Length

centimetre, metre

length, height, width, depth

long, short, tall

high, low

wide, narrow

thick, thin

longer, shorter, taller, higher ... and so on

longest, shortest, tallest, highest ... and so

on

far, near, close

ruler

metre stick

Weight

kilogram, half kilogram

weigh, weighs, balances

heavy, light

heavier than, lighter than

heaviest, lightest

scales

Capacity and volume

litre, half litre

capacity

volume

full

empty

more than

less than

half full

quarter full

holds

container

Time

time

days of the week, Monday, Tuesday ...

months of the year (January, February ...)

seasons: spring, summer, autumn, winter

day, week, weekend, month, year

birthday, holiday

morning, afternoon, evening, night

bedtime, dinner time, playtime

today, yesterday, tomorrow

before, after

earlier, later

next, first, last

midnight

date

now, soon, early, late

quick, quicker, quickest, quickly

slow, slower, slowest, slowly

old, older, oldest

new, newer, newest

takes longer, takes less time

how long ago?

how long will it be to ...?

how long will it take to ...?

how often?

always, never, often, sometimes

usually

once, twice

hour, o'clock, half past, quarter past,

quarter to

clock, clock face, watch, hands

hour hand, minute hand

hours, minutes

Money

money

coin

penny, pence, pound

price, cost

buy, sell

spend, spent

pay

change

dear, costs more

cheap, costs less, cheaper

costs the same as

how much ...?

how many ...?

total

GEOMETRY

Properties of shape

shape, pattern

flat

curved, straight

round

hollow, solid

sort

make, build, draw

size

bigger, larger, smaller

symmetry, symmetrical, symmetrical pattern

pattern, repeating pattern

match

2-D shape

corner, side point, pointed

point, pointed

rectangle (including square)

circle

triangle

3-D shape

face, edge, vertex, vertices

cube, cuboid

pyramid

sphere

cone

cylinder

Position and direction

position

over, under, underneath

above, below

top, bottom, side

on, in

outside, inside

around

in front, behind

front, back

beside, next to

opposite

apart

between

middle, edge

centre

corner

direction

journey

left, right

up, down

forwards, backwards, sideways

across

next to, close, near, far

along

through

to, from, towards, away from

movement

slide

roll

turn

stretch, bend

whole turn, half turn, quarter turn,

three-quarter turn

STATISTICS

count, sort, vote

group, set

list, table

GENERAL

pattern

puzzle

problem, problem solving

mental, mentally

what could we try next?

how did you work it out?

explain your thinking

recognise

describe

draw

compare

sort

1

YEAR 2

NUMBER

Number and place value

Number

number

numeral

zero

one, two, three ... twenty

teens numbers, eleven, twelve ... twenty

twenty-one, twenty-two \dots one hundred, two

hundred ... one thousand

none

how many ...?

count, count (up) to, count on (from, to),

count back (from, to)

forwards

backwards

count in ones, twos, fives, tens, threes, fours

and so on

equal to

equivalent to

is the same as

more, less

most, least

tally

many

odd, even

multiple of

sequence

continue

predict

few

pattern

pair, rule

> greater than

< less than

Place value

ones

tens, hundreds

digit

one-, two- or three-digit number

place, place value

stands for, represents

exchange

the same number as, as many as

more, larger, bigger, greater

fewer, smaller, less

fewest, smallest, least

most, biggest, largest, greatest

one more, ten more

one less, ten less

equal to

compare

order

size

first, second, third ... twentieth

twenty-first, twenty-second ...

last, last but one

before, after

next

between

halfway between

above, below

Estimating

guess

how many ...?

estimate

nearly

roughly

close to

about the same as

just over, just under

exact, exactly

.

too many, too few enough, not enough

Addition and subtraction

addition add, more, and make, sum, total altogether double

near double

half, halve

one more, two more ... ten more ... one hundred more

how many more to make ...? how many more is ... than ...?

how much more is ...?

subtract

take away

how many are left/left over?

how many have gone?

one less, two less, ten less ... one hundred less

how many fewer is ... than ...?

how much less is ...?

difference between

equals

is the same as

number bonds/pairs/facts

tens boundary

Multiplication and division

multiplication multiply

multiplied by

multiple

groups of

times

once, twice, three times ... ten times repeated addition

division

dividing, divide, divided by, divided into

grouping

sharing, share, share equally

left, left over

one each, two each, three each ... ten each

group in pairs, threes ... tens

equal groups of

doubling

halving

array

row, column

number patterns

multiplication table

multiplication fact, division fact

Fractions

fraction

equivalent fraction

mixed number

numerator, denominator

equal part

equal grouping

equal sharing

parts of a whole

half, two halves

one of two equal parts

quarter, two quarters, three quarters

one of four equal parts

one third, two thirds

one of three equal parts

MEASUREMENT

measure

measurement

size

compare

measuring scale

guess, estimate
enough, not enough
too much, too little
too many, too few
nearly, close to, about the same as
roughly
just over, just under

Length

centimetre, metre

length, height, width, depth

long, short, tall

high, low

wide, narrow

thick, thin

longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on

far, further, furthest, near, close

ruler

metre stick, tape measure

Weight

kilogram, half kilogram, gram weigh, weighs, balances heavy, light

heavier than, lighter than

heaviest, lightest

scales

Capacity and volume

litre, half litre, millilitre

capacity volume

full

empty

more than

less than

half full

quarter full

holds, contains

container

Temperature

temperature degree

Time

time

days of the week, Monday, Tuesday ... months of the year (January, February ...) seasons: spring, summer, autumn, winter day, week, weekend, fortnight, month, year birthday, holiday

morning, afternoon, evening, night bedtime, dinnertime, playtime

today, yesterday, tomorrow

before, after earlier, later next, first, last midnight

date

now, soon, early, late

quick, quicker, quickest, quickly slow, slower, slowest, slowly

old, older, oldest new, newer, newest

takes longer, takes less time

how long ago?

how long will it be to ...? how long will it take to ...?

how often?

always, never, often, sometimes

usually once, twice

hour, o'clock, half past, quarter past,

quarter to

5, 10, 15 ... minutes past

clock, clock face, watch, hands digital/analogue clock/watch, timer hour hand, minute hand hours, minutes, seconds

Money

money
coin
penny, pence, pound
price, cost
buy, bought, sell, sold
spend, spent
pay
change

dear, costs more cheap, costs less, cheaper costs the same as how much ...? how many ...?

GEOMETRY

Properties of shape

shape, pattern

flat

curved, straight

round

hollow, solid

sort

make, build, draw

surface

size

bigger, larger, smaller

symmetry, symmetrical, symmetrical pattern

line symmetry

pattern, repeating pattern

match

2-D shape

corner, side
point, pointed
rectangle (including square), rectangular
circle, circular
triangle, triangular
pentagon
hexagon
octagon

3-D shape

face, edge, vertex, vertices cube, cuboid pyramid sphere cone cylinder

Position and direction

position over, under, underneath above, below top, bottom, side

on, in

outside, inside

around

in front, behind

front, back

beside, next to

opposite

apart

between

middle, edge

centre

corner

direction

journey, route

left, right

up, down higher, lower forwards, backwards, sideways across next to, close, near, far along through to, from, towards, away from clockwise, anticlockwise movement slide roll turn stretch, bend whole turn, half turn, quarter turn, three-quarter turn

explain your method describe the pattern describe the rule investigate recognise describe draw compare sort mental calculation

written calculation

STATISTICS

right angle straight line

count, tally, sort, vote
graph, block graph, pictogram
represent
group, set
list, table
label, title
most popular, most common
least popular, least common

GENERAL

pattern
puzzle
problem, problem solving
mental, mentally
what could we try next?
how did you work it out?
show how you ...
explain your thinking

YEAR 3

NUMBER

Number and place value

Number

number

numeral

zero

one, two, three ... twenty

teens numbers, eleven, twelve ... twenty

twenty-one, twenty-two ... one hundred, two

hundred ... one thousand

none

how many ...?

count, count (up) to, count on (from, to),

count back (from, to)

forwards

backwards

count in ones, twos, fives, tens, threes,

fours, eights, fifties and so on to hundreds

equal to

equivalent to

is the same as

more, less

most, least

tally

many

odd, even

multiple of, factor of

sequence

continue

predict

few

pattern

pair, rule

relationship

> greater than

< less than

Roman numerals

Place value

ones

tens, hundreds

digit

one-, two- or three-digit number

place, place value

stands for, represents

exchange

the same number as, as many as

more, larger, bigger, greater

fewer, smaller, less

fewest, smallest, least

most, biggest, largest, greatest

one more, ten more, one hundred more

one less, ten less, one hundred less

equal to

compare

order

size

first, second, third ... twentieth

twenty-first, twenty-second ...

last, last but one

before, after

next

between

halfway between

above, below

Estimating

guess

how many ...?

estimate

nearly

roughly

close to

approximate, approximately

about the same as

just over, just under

multiple, factor exact, exactly too many, too few groups of enough, not enough times round, nearest, round to the nearest ten, product hundred once, twice, three times ... ten times round up, round down repeated addition division Addition and subtraction dividing, divide, divided by, divided into addition left, left over, remainder add, more, and grouping make, sum, total sharing, share, share equally altogether one each, two each, three each ... ten each double group in pairs, threes ... tens near double equal groups of half, halve doubling one more, two more ... ten more ... one halving hundred more array how many more to make ...? row, column how many more is ... than ...? number patterns how much more is ...? multiplication table subtract multiplication fact, division fact take away how many are left/left over? **Fractions** how many have gone? fraction one less, two less, ten less ... one hundred equivalent fraction mixed number how many fewer is ... than ...? numerator, denominator how much less is ...? equal part difference between equal grouping equals equal sharing is the same as parts of a whole number bonds/pairs/facts half, two halves missing number one of two equal parts tens boundary, hundreds boundary quarter, two quarters, three quarters one of four equal parts **Multiplication and division** one third, two thirds multiplication

multiply

multiplied by

one of three equal parts

sixths, sevenths, eighths, tenths ...

MEASUREMENT

measure

measurement

size

compare

measuring scale, division

guess, estimate

enough, not enough

too much, too little

too many, too few

nearly, close to, about the same as,

approximately

roughly

just over, just under

Length

millimetre, centimetre, metre, kilometre, mile

length, height, width, depth

long, short, tall

high, low

wide, narrow

thick, thin

longer, shorter, taller, higher ... and so on

longest, shortest, tallest, highest ... and so

on

far, further, furthest, near, close

distance apart ... between ... to ... from

perimeter

ruler

metre stick, tape measure

Weight

kilogram, half kilogram, gram

weigh, weighs, balances

heavy, light

heavier than, lighter than

heaviest, lightest

scale

Capacity and volume

litre, half litre, millilitre

capacity

volume

full

empty

more than

less than

half full

quarter full

holds, contains

container

Temperature

temperature

degree

centigrade

Time

time

days of the week, Monday, Tuesday ...

months of the year (January, February ...)

seasons: spring, summer, autumn, winter

day, week, weekend, fortnight, month, year,

century

birthday, holiday

morning, afternoon, evening, night

bedtime, dinner time, playtime

today, yesterday, tomorrow

before, after

earlier, later

next, first, last

midnight

calendar, date

now, soon, early, late, earliest, latest

quick, quicker, quickest, quickly

slow, slower, slowest, slowly

old, older, oldest

new, newer, newest

takes longer, takes less time flat curved, straight how long ago? how long will it be to ...? round how long will it take to ...? hollow, solid how often? sort make, build, draw always, never, often, sometimes perimeter usually once, twice surface hour, o'clock, half past, quarter past, quarter size to bigger, larger, smaller 5, 10, 15 ... minutes past symmetry, symmetrical, symmetrical pattern a.m., p.m. line symmetry clock, clock face, watch, hands pattern, repeating pattern digital/analogue clock/watch, timer match hour hand, minute hand hours, minutes, seconds 2-D shape Roman numerals corner, side 12-hour clock time, 24-hour clock time point, pointed rectangle (including square), rectangular Money circle, circular triangle, triangular money coin pentagon, pentagonal penny, pence, pound hexagon, hexagonal price, cost octagon, octagonal buy, bought, sell, sold quadrilateral spend, spent right-angled pay parallel, perpendicular change 3-D shape dear, costs more face, edge, vertex, vertices cheap, costs less, cheaper costs the same as cube, cuboid how much ...? pyramid how many ...? sphere, hemisphere

GEOMETRY

Properties of shape

shape, pattern

total

Position and direction

prism, triangular prism

position

cone

cylinder

right angle

over, under, underneath above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite apart between middle, edge centre corner direction journey, route left, right up, down higher, lower forwards, backwards, sideways across next to, close, near, far along through to, from, towards, away from clockwise, anticlockwise compass point north, south, east, west, N, S, E, W horizontal, vertical, diagonal movement slide roll turn stretch, bend whole turn, half turn, quarter turn, three-quarter turn angle ... is a greater/smaller angle than

acute angle obtuse angle straight line

STATISTICS

count, tally, sort, vote
graph, block graph, pictogram
represent
group, set
list, table, chart, bar chart, frequency table
Carroll diagram, Venn diagram
label, title, axis, axes
diagram
most popular, most common
least popular, least common

GENERAL

pattern puzzle problem, problem-solving mental, mentally what could we try next? how did you work it out? show how you ... explain your thinking explain your method describe the pattern describe the rule investigate recognise describe draw compare greatest value, least value

mental calculation
written calculation

statement

NUMBER

Number and place value

Number

number

numeral

zero

one, two, three ... twenty

teens numbers, eleven, twelve ... twenty

twenty-one, twenty-two ... one hundred, two hundred ... one thousand ... ten thousand,

hundred thousand, million

none

how many ...?

count, count (up) to, count on (from, to),

count back (from, to)

forwards

backwards

count in ones, twos, fives, tens, threes, fours, eights, fifties, sixes, sevens, nines, twenty-fives and so on to hundreds.

thousands

equal to

equivalent to

is the same as

more, less

most, least

tally

many

odd, even

multiple of, factor of

sequence

continue

predict

few

pattern

pair, rule

relationship

next, consecutive

> greater than

< less than

Roman numerals

integer, positive, negative above/below zero, minus

negative numbers

Place value

ones

tens, hundreds

digit

one-, two- or three-digit number

place, place value

stands for, represents

exchange

the same number as, as many as

more, larger, bigger, greater

fewer, smaller, less

fewest, smallest, least

most, biggest, largest, greatest

one more, ten more, one hundred more, one

thousand more

one less, ten less, one hundred less, one

thousand less

equal to

compare

order

size

first, second, third ... twentieth

twenty-first, twenty-second ...

last, last but on

before, after

next

between

halfway between

above, below

Estimating

guess

how many

estimate

nearly

roughly

close to

approximate, approximately

about the same as

just over, just under

exact, exactly

too many, too few

enough, not enough

round, nearest, round to the nearest ten,

hundred, thousand

round up, round down

Addition and subtraction

addition

add, more, and

make, sum, total

altogether

double

near double

half, halve

one more, two more... ten more... one

hundred more

how many more to make ...?

how many more is ... than ...?

how much more is ...?

subtract

take away

how many are left/left over?

how many have gone?

one less, two less, ten less ... one hundred

less

how many fewer is ... than ...?

how much less is ...?

difference between

equals

is the same as

number bonds/pairs/facts

missing number

tens boundary, hundreds boundary

inverse

Multiplication and division

multiplication

multiply

multiplied by

multiple, factor

groups of

times

product

once, twice, three times ... ten times

repeated addition

division

dividing, divide, divided by, divided into

left, left over, remainder

grouping

sharing, share, share equally

one each, two each, three each ... ten each

group in pairs, threes ... tens

equal groups of

doubling

halving

array

row, column

number patterns

multiplication table

multiplication fact, division fact

inverse

square, squared

cube, cubed

:

Fractions (including decimals)

fraction

equivalent fraction

mixed number

numerator, denominator

equal part

equal grouping

equal sharing

parts of a whole

half, two halves

one of two equal parts

quarter, two quarters, three quarters

one of four equal parts

one third, two thirds

one of three equal parts

sixths, sevenths, eighths, tenths ...

hundredths

decimal, decimal fraction, decimal point, decimal place, decimal equivalent proportion

MEASUREMENT

measure

measurement

size

compare

unit, standard unit

metric unit

measuring scale, division

guess, estimate

enough, not enough

too much, too little

too many, too few

nearly, close to, about the same as,

approximately

roughly

just over, just under

Length

millimetre, centimetre, metre, kilometre, mile

length, height, width, depth, breadth

long, short, tall

high, low

wide, narrow

thick, thin

longer, shorter, taller, higher ... and so on

longest, shortest, tallest, highest ... and so

on

far, further, furthest, near, close

distance apart ... between ... to ... from

edge, perimeter

area, covers

square centimetre (cm²)

ruler

metre stick, tape measure

Weight

mass: big, bigger, small, smaller

weight: heavy/light, heavier/lighter, heaviest/

lightest

kilogram, half kilogram, gram

weigh, weighs, balances

heavy, light

heavier than, lighter than

heaviest, lightest

scales

Capacity and volume

litre, half litre, millilitre

capacity

volume

full

empty

more than

less than

half full

quarter full

holds, contains container, measuring cylinder

Temperature

temperature degree centigrade

Time

time days of the week, Monday, Tuesday ... months of the year (January, February ...) seasons: spring, summer, autumn, winter day, week, weekend, fortnight, month, year, leap year, century, millennium birthday, holiday morning, afternoon, evening, night bedtime, dinner time, playtime today, yesterday, tomorrow before, after earlier, later next, first, last noon, midnight

calendar, date, date of birth now, soon, early, late, earliest, latest quick, quicker, quickest, quickly slow, slower, slowest, slowly

old, older, oldest

new, newer, newest

takes longer, takes less time

how long ago?

how long will it be to ...?

how long will it take to ...?

how often?

always, never, often, sometimes

usually

once, twice

hour, o'clock, half past, quarter past, quarter to

5, 10, 15 ... minutes past

a.m., p.m.

clock, clock face, watch, hands

digital/analogue clock/watch, timer

hour hand, minute hand

hours, minutes, seconds

timetable, arrive, depart

Roman numerals

12-hour clock time, 24-hour clock time

Money

money

coin

penny, pence, pound

price, cost

buy, bought, sell, sold

spend, spent

pay

change

dear, costs more

cheap, costs less, cheaper

costs the same as

how much ...?

how many ...?

total

GEOMETRY

Properties of shape

shape, pattern

flat, line

curved, straight

round

hollow, solid

sort

make, build, construct, draw, sketch

perimeter

centre

surface

angle, right-angled cylinder, cylindrical base, square-based prism, triangular prism size tetrahedron, polyhedron bigger, larger, smaller Position and direction symmetry, symmetrical, symmetrical pattern position line symmetry over, under, underneath reflect, reflection above, below pattern, repeating pattern top, bottom, side match on, in regular, irregular outside, inside around 2-D shape in front, behind 2-D, two-dimensional front, back corner, side beside, next to point, pointed opposite rectangle (including square), rectangular, oblong apart rectilinear between circle, circular middle, edge centre triangle, triangular equilateral triangle, isosceles triangle, corner scalene triangle direction pentagon, pentagonal journey, route hexagon, hexagonal left, right heptagon up, down octagon, octagonal higher, lower quadrilateral forwards, backwards, sideways parallelogram, rhombus, trapezium across polygon next to, close, near, far right-angled along parallel, perpendicular through to, from, towards, away from 3-D shape clockwise, anticlockwise 3-D, three-dimensional compass point face, edge, vertex, vertices north, south, east, west, N, S, E, W cube, cuboid north-east, north-west, south-east, pyramid south-west, NE, NW, SE, SW

horizontal, vertical, diagonal

translate, translation

sphere, hemisphere, spherical

cone

movement

slide

roll

turn

stretch, bend

whole turn, half turn, quarter turn,

three-quarter turn

rotate, rotation

angle, is a greater/smaller angle than

degree

right angle

acute angle

obtuse angle

reflection

straight line

ruler, set square

angle measurer, compass

STATISTICS

count, tally, sort, vote

survey, questionnaire, data

graph, block graph, pictogram

represent

group, set

list, table, chart, bar chart, frequency table

Carroll diagram, Venn diagram

label, title, axis, axes

diagram

most popular, most common

least popular, least common

GENERAL

pattern

puzzle

problem, problem solving

mental, mentally

what could we try next?

how did you work it out?

show how you ...

explain your thinking

explain your method

describe the pattern

describe the rule

investigate

recognise

describe

draw

compare

sort

greatest value, least value

mental calculation

written calculation

statement

justify

make a statement

- 2

NUMBER

Number and place value

Number

number

numeral

zero

one, two, three ... twenty

teens numbers, eleven, twelve ... twenty

twenty-one, twenty-two ... one hundred, two hundred ... one thousand ... ten thousand, hundred thousand, million

none

how many ...?

count, count (up) to, count on (from, to), count back (from, to)

forwards

backwards

count in ones, twos, fives, tens, threes, fours, eights, fifties, sixes, sevens, nines, twenty-fives and so on to hundreds,

thousands

equal to

equivalent to

is the same as

more, less

most, least

tally

many

odd, even

multiple of, factor of

factor pair

sequence

continue

predict

few

pattern

pair, rule

relationship

next, consecutive

- > greater than
- < less than

≥ greater than or equal to

≤ less than or equal to

Roman numerals

integer, positive, negative above/below zero, minus

negative numbers

formula

divisibility

square number

prime number

ascending/descending order

Place value

ones

tens, hundreds

digit

one-, two- or three-digit number

place, place value

stands for, represents

exchange

the same number as, as many as

more, larger, bigger, greater

fewer, smaller, less

fewest, smallest, least

most, biggest, largest, greatest

one more, ten more, one hundred more, one

thousand more

one less, ten less, one hundred less, one

thousand less

equal to

compare

order

size

first, second, third ... twentieth

twenty-first, twenty-second ...

last, last but one

how many are left/left over?

how many have gone? before, after one less, two less, ten less ... one hundred next less between how many fewer is ... than ...? halfway between how much less is ...? above, below difference between equals **Estimating** is the same as guess number bonds/pairs/facts how many ...? missing number estimate tens boundary, hundreds boundary, ones nearly boundary, tenths boundary roughly inverse close to approximate, approximately **Multiplication and division** about the same as multiplication just over, just under multiply exact, exactly multiplied by too many, too few multiple, factor enough, not enough groups of round, nearest, round to the nearest ten, times hundred, thousand, ten thousand product round up, round down once, twice, three times ... ten times repeated addition Addition and subtraction division addition dividing, divide, divided by, divided into add, more, and left, left over, remainder make, sum, total grouping altogether sharing, share, share equally double one each, two each, three each ... ten each near double group in pairs, threes ... tens half, halve equal groups of one more, two more ... ten more ... one hundred more doubling how many more to make ...? halving how many more is ... than ...? array how much more is ...? row, column subtract number patterns take away multiplication table

multiplication fact, division fa

inverse square, squared cube, cubed

Fractions (including decimals and percentages)

fraction, proper/improper fraction
equivalent fraction
mixed number
numerator, denominator
equivalent, reduced to, cancel

equal part
equal grouping
equal sharing
parts of a whole
half, two halves
one of two equal parts
quarter, two quarters, three quarters
one of four equal parts
one third, two thirds
one of three equal parts

sixths, sevenths, eighths, tenths ... hundredths, thousandths decimal, decimal fraction, decimal point, decimal place, decimal equivalent

proportion, in every, for every percentage, per cent, %

MEASUREMENT

measure
measurement
size
compare
unit, standard unit
metric unit, imperial unit
measuring scale, division

guess, estimate enough, not enough too much, too little too many, too few nearly, close to, about the same as, approximately roughly just over, just under

Length

millimetre, centimetre, metre, kilometre, mile length, height, width, depth, breadth long, short, tall high, low wide, narrow thick, thin longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on far, further, furthest, near, close distance apart ... between ... to ... from edge, perimeter area, covers square centimetre (cm²), square metre (m²), square millimetre (mm²) ruler

Weight

weight: heavy/light, heavier/lighter, heaviest/ lightest kilogram, half kilogram, gram weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales

Capacity and volume

metre stick, tape measure

mass: big, bigger, small, smaller

litre, half litre, millilitre capacity

volume full empty more than less than half full quarter full holds, contains container, measuring cylinder pint, gallon

Temperature

temperature degree centigrade

Time

time

months of the year (January, February ...) seasons: spring, summer, autumn, winter day, week, weekend, fortnight, month, year, leap year, century, millennium birthday, holiday morning, afternoon, evening, night bedtime, dinner time, playtime today, yesterday, tomorrow before, after earlier, later next, first, last noon, midnight calendar, date, date of birth now, soon, early, late, earliest, latest quick, quicker, quickest, quickly slow, slower, slowest, slowly old, older, oldest new, newer, newest takes longer, takes less time how long ago?

days of the week, Monday, Tuesday ...

how long will it be to ...? how long will it take to ...? how often? always, never, often, sometimes usually once, twice hour, o'clock, half past, quarter past, quarter to 5, 10, 15 ... minutes past a.m., p.m. clock, clock face, watch, hands digital/analogue clock/watch, timer hour hand, minute hand hours, minutes, seconds timetable, arrive, depart Roman numerals 12-hour clock time, 24-hour clock time

Money

money coin penny, pence, pound price, cost buy, bought, sell, sold spend, spent pay change dear, costs more

cheap, costs less, cheaper costs the same as how much ...? how many ...? total discount

GEOMETRY

Properties of shape

shape, pattern

currency

flat, line curved, straight round hollow, solid sort make, build, construct, draw, sketch perimeter centre, radius, diameter surface angle, right-angled congruent base, square-based size bigger, larger, smaller symmetry, symmetrical, symmetrical pattern line symmetry reflect, reflection

axis of symmetry, reflective symmetry

pattern, repeating pattern match

regular, irregular

2-D shape

2-D, two-dimensional

corner, side point, pointed

rectangle (including square), rectangular,

oblong rectilinear

circle, circular

triangle, triangular

equilateral triangle, isosceles triangle,

scalene triangle

pentagon, pentagonal hexagon, hexagonal

heptagon

octagon, octagonal

quadrilateral

parallelogram, rhombus, trapezium

polygon right -angled parallel, perpendicular x-axis, y-axis, quadrant

3-D shape

3-D, three-dimensional face, edge, vertex, vertices cube, cuboid pyramid sphere, hemisphere, spherical cone cylinder, cylindrical prism, triangular prism tetrahedron, polyhedron octahedron

Position and direction

position and direction position over, under, underneath above, below top, bottom, side on, in outside, inside around in front, behind

front, back beside, next to

opposite apart between

middle, edge

centre corner direction

journey, route

left, right up, down

higher, lower
forwards, backwards, sideways
across
next to, close, near, far
along
through
to, from, towards, away from
clockwise, anticlockwise
compass point
north, south, east, west, N, S, E, W
north-east, north-west, south-east,
south-west, NE, NW, SE, SW
horizontal, vertical, diagonal

coordinate

translate, translation

movement

slide

roll

turn

stretch, bend

whole turn, half turn, quarter turn,

three-quarter turn

rotate, rotation

angle, is a greater/smaller angle than

degree

right angle

acute angle

obtuse angle

reflection

straight line

ruler, set square

angle measurer, compass, protractor

STATISTICS

count, tally, sort, vote survey, questionnaire, data, database graph, block graph, pictogram represent group, set list, table, chart, bar chart, frequency table, bar line chart

Carroll diagram, Venn diagram

line graph

label, title, axis, axes

diagram

most popular, most common

least popular, least common

maximum/minimum value

outcome

GENERAL

pattern

puzzle

problem, problem solving

mental, mentally

what could we try next?

how did you work it out?

show how you ...

explain your thinking

explain your method

describe the pattern

describe the rule

investigate

recognise

describe

draw

compare

sort

greatest value, least value

mental calculation

written calculation

statement

justify

make a statement

explain your reasoning

YEAR 6

NUMBER

Number and place value

Number

number

numeral

zero

one, two, three ... twenty

teens numbers, eleven, twelve ... twenty

twenty-one, twenty-two ... one hundred, two hundred ... one thousand ... ten thousand,

hundred thousand, million

none

how many ...?

count, count (up) to, count on (from, to),

count back (from, to)

forwards

backwards

count in ones, twos, fives, tens, threes, fours, eights, fifties, sixes, sevens, nines,

twenty-fives and so on to hundreds,

thousands

equal to

equivalent to

is the same as

more, less

most, least

tally

many

odd, even

multiple of, factor of

factor pair

sequence

continue

predict

few

pattern

pair, rule

relationship

next, consecutive

> greater than

< less than

≥ greater than or equal to

≤ less than or equal to

Roman numerals

integer, positive, negative

above/below zero, minus

negative numbers

formula

divisibility

square number

prime number

factorise

prime factor

ascending/descending order

digit total

Place value

ones

tens, hundreds

digit

one-, two- or three-digit number

place, place value

stands for, represents

exchange

the same number as, as many as

more, larger, bigger, greater

fewer, smaller, less

fewest, smallest, least

most, biggest, largest, greatest

one more, ten more, one hundred more, one

thousand more

one less, ten less, one hundred less, one

thousand less

equal to

compare

order

size

first, second, third ... twentieth

twenty-first, twenty-second ...

last, last but one

before, after

next

betwee

Y E A R

halfway between above, below

Estimating

guess

how many ...?

estimate

nearly

roughly

close to

approximate, approximately

about the same as

just over, just under

exact, exactly

too many, too few

enough, not enough

round, nearest, round to the nearest ten,

hundred, thousand, ten thousand

round up, round down

Addition and subtraction

addition

add, more, and

make, sum, total

altogether

double

near double

half, halve

one more, two more ... ten more ... one

hundred more

how many more to make ...?

how many more is ... than ...?

how much more is ...?

subtract

take away

how many are left/left over?

how many have gone?

one less, two less, ten less ... one hundred

less

how many fewer is ... than ...?

how much less is ...?

difference between

equals

is the same as

number bonds/pairs/facts

missing number

tens boundary, hundreds boundary, ones

boundary, tenths boundary

inverse

Multiplication and division

multiplication

multiply

multiplied by

multiple, factor

groups of

times

product

once, twice, three times ... ten times

repeated addition

division

dividing, divide, divided by, divided into

left, left over, remainder

grouping

sharing, share, share equally

one each, two each, three each ... ten each

group in pairs, threes ... tens

equal groups of

doubling

halving

array

row, column

number patterns

multiplication table

multiplication fact, division fact

inverse

square, squared

cube, cubed

Fractions (including decimals, percentages, ratio and proportion)

fraction, proper/improper fraction

equivalent fraction mixed number numerator, denominator equivalent, reduced to, cancel equal part equal grouping equal sharing parts of a whole half, two halves one of two equal parts quarter, two quarters, three quarters one of four equal parts one third, two thirds one of three equal parts sixths, sevenths, eighths, tenths ... hundredths, thousandths decimal, decimal fraction, decimal point, decimal place, decimal equivalent proportion, in every, for every

Algebra

formula, formulae equation unknown variable

percentage, per cent, %

MEASUREMENT

measure
measurement
size
compare
unit, standard unit
metric unit, imperial unit
measuring scale, division
guess, estimate
enough, not enough
too much, too little
too many, too few
nearly, close to, about the same as,

approximately roughly just over, just under

Length

centimetre, metre, millimetre, kilometre, mile, yard, foot, feet, inch, inches length, height, width, depth, breadth long, short, tall high, low wide, narrow thick, thin longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on far, further, furthest, near, close distance apart ... between ... to ... from edge, perimeter, circumference area, covers square centimetre (cm²), square metre (m²), square millimetre (mm²) metre stick, tape measure

Weight

volume

weight: heavy/light, heavier/lighter, heaviest/ lightest tonne, kilogram, half kilogram, gram, pound, ounce weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales

mass: big, bigger, small, smaller

Capacity and volume

litre, half litre, millilitre, centilitre cubic centimetres(cm³), cubic metres (m³), cubic millimetres (mm³), cubic kilometres (km³) capacity full empty more than less than half full quarter full holds, contains container, measuring cylinder pint, gallon

Temperature

temperature degree centigrade

Time

time

months of the year (January, February ...) seasons: spring, summer, autumn, winter day, week, weekend, fortnight, month, year, leap year, century, millennium birthday, holiday morning, afternoon, evening, night bedtime, dinner time, playtime today, yesterday, tomorrow before, after earlier, later next, first, last noon, midnight calendar, date, date of birth now, soon, early, late, earliest, latest quick, quicker, quickest, quickly slow, slower, slowest, slowly old, older, oldest new, newer, newest takes longer, takes less time how long ago? how long will it be to ...? how long will it take to ...?

days of the week, Monday, Tuesday ...

how often? always, never, often, sometimes usually once, twice hour, o'clock, half past, quarter past, quarter to 5, 10, 15 ... minutes past a.m., p.m. clock, clock face, watch, hands digital/analogue clock/watch, timer hour hand, minute hand hours, minutes, seconds timetable, arrive, depart Roman numerals 12-hour clock time, 24-hour clock time Greenwich Mean Time, British Summer Time. International Date Line

Money money coin penny, pence, pound price, cost buy, bought, sell, sold spend, spent pay change

dear, costs more cheap, costs less, cheaper costs the same as how much ...? how many ...? total discount currency

GEOMETRY

Properties of shape

shape, pattern flat, line

profit, loss

curved, straight
round
hollow, solid
sort
make, build, construct, draw, sketch
perimeter
centre, radius, diameter

circumference, concentric, arc

net, open, closed

surface

angle, right-angled

congruent

intersecting, intersection

plane

base, square-based

size

bigger, larger, smaller

symmetry, symmetrical, symmetrical pattern

line symmetry reflect, reflection

axis of symmetry, reflective symmetry

pattern, repeating pattern

match

regular, irregular

2-D shape

2-D, two-dimensional

corner, side point, pointed

rectangle (including square), rectangular,

oblong rectilinear

circle, circular

triangle, triangular

equilateral triangle, isosceles triangle,

scalene triangle

pentagon, pentagonal hexagon, hexagonal

heptagon

octagon, octagonal

quadrilateral

parallelogram, rhombus, trapezium, kite polygon right-angled parallel, perpendicular x-axis, y-axis, quadrant

3-D shape

3-D, three-dimensional face, edge, vertex, vertices

cube, cuboid pyramid

sphere, hemisphere, spherical

cone

cylinder, cylindrical prism, triangular prism tetrahedron, polyhedron octahedron

dodecahedron net, open, closed

Position and direction

position

over, under, underneath

above, below top, bottom, side

on, in

outside, inside

around

in front, behind

front, back

beside, next to

opposite

apart

between

middle, edge

centre corner

direction

journey, route

left, right

higher, lower

forwards, backwards, sideways across

next to, close, near, far along

through

to, from, towards, away from clockwise, anticlockwise compass point

north, south, east, west, N, S, E, W

north-east, north-west, south-east, south-west, NE, NW, SE, SW

horizontal, vertical, diagonal translate, translation coordinate

movement slide

roll turn

stretch, bend

whole turn, half turn, quarter turn, three-quarter turn

rotate, rotation

angle, is a greater/smaller angle than degree

right angle acute angle obtuse angle reflex angle reflection straight line ruler, set square

angle measurer, compass, protractor

STATISTICS

count, tally, sort, vote

survey, questionnaire, data, database graph, block graph, pictogram represent group

STATISTICS

count, tally, sort, vote survey, questionnaire, data, database graph, block graph, pictogram represent group, set

44 RISING STARS Mathematical Vocabulary

list, table, chart, bar chart, frequency table, bar line chart

Carroll diagram, Venn diagram line graph pie chart

label, title, axis, axes diagram
most popular, most common least popular, least
common maximum/minimum value outcome
mean (mode, median, range as estimates for this)
statistics, distribution

GENERAL

pattern puzzle
problem, problem solving mental, mentally
what could we try next? how did you work it
out? show how you ... explain your thinking
explain your method describe the pattern
describe the rule investigate
recognise describe draw
compare sort
greatest value, least value mental calculation
written calculation statement
justify
make a statement explain your reasoning