

## Year 5

### Numbers and the number system

#### Place value, ordering and rounding

units, ones  
tens, hundreds, thousands  
ten thousand, hundred thousand,  
million  
digit, one-, two-, three- or four-digit  
number  
numeral  
'teens' number  
place, place value  
stands for, represents  
exchange  
the same number as, as many as  
equal to  
Of **two** objects/amounts:  
>, greater than, more than, larger  
than, bigger than  
<, less than, fewer than, smaller than  
≥, greater than or equal to

≤, less than or equal to  
Of **three** or more objects/amounts:  
greatest, most, largest, biggest  
least, fewest, smallest  
one... ten... one hundred... one  
thousand more/less  
compare, order, size  
ascending/descending order  
first... tenth... twentieth  
last, last but one  
before, after, next  
between, half-way between  
guess how many, estimate  
nearly, roughly, close to, about the  
same as  
approximate, approximately  
≈, is approximately equal to  
just over, just under  
exact, exactly  
too many, too few, enough, not  
enough  
round (up or down), nearest  
round to the nearest ten/hundred  
round to the nearest thousand  
integer

positive, negative  
above/below zero, minus

#### Properties of numbers and number sequences

number, count, how many...?  
odd, even  
every other  
how many times?  
multiple of  
digit  
next, consecutive  
sequence  
continue  
predict  
pattern, pair, rule  
relationship  
sort, classify, property  
formula  
divisible (by), divisibility, factor  
square number  
one squared, two squared....( $1^2$ ,  $2^2$ ...)

## **Fractions, decimals, percentages, ratio and proportion**

part, equal parts  
fraction, proper/improper fraction  
mixed number  
numerator, denominator  
equivalent, reduced to, cancel  
one whole  
half, quarter, eighth  
third, sixth, ninth, twelfth  
fifth, tenth, twentieth, hundredth  
proportion, ratio  
in every, for every  
to every, as many as  
decimal, decimal fraction  
decimal point, decimal place  
percentage, per cent, %

### Calculations

#### **Addition and subtraction**

add, addition, more, plus, increase  
sum, total, altogether

score  
double, near double  
how many more to make...?  
subtract, subtraction, take (away),  
minus, decrease  
leave, how many are left/left over?  
difference between  
half, halve  
how many more/ fewer is... than...?  
how much more/less is...?  
equals, sign, is the same as  
tens boundary, hundreds boundary  
units boundary, tenths boundary  
inverse

#### **Multiplication and division**

lots of, groups of  
times, multiply, multiplication,  
multiplied by  
multiple of, product  
once, twice, three times  
four times, five times... ten times  
times as (big, long, wide, and so on)  
repeated addition  
array  
row, column

double, halve  
share, share equally  
one each, two each, three each...  
group in pairs, threes... tens  
equal groups of  
divide, divided by, divided into,  
divisible by  
remainder  
factor, quotient, divisible by  
inverse

### Solving problems

#### **Making decisions and reasoning**

pattern, puzzle  
calculate, calculation  
mental calculation  
method, strategy  
jotting  
answer  
right, correct, wrong  
what could we try next?  
how did you work it out?  
number sentence  
sign, operation, symbol, equation

## Money

money  
coin, note  
penny, pence, pound, (£)  
price, cost  
buy, bought, sell, sold  
spend, spent  
pay  
change  
dear, costs more, more/most  
expensive  
cheap, costs less, cheaper, less/least  
expensive  
how much...? how many...?  
total, amount, value, worth  
discount  
currency

## Handling data

count, tally, sort, vote  
survey, questionnaire  
data, database  
graph, block graph, line graph  
pictogram,

represent  
group, set  
list, chart, bar chart, bar line chart  
tally chart  
table, frequency table  
Carroll diagram, Venn diagram  
label, title, axis, axes  
diagram  
most popular, most common  
least popular, least common  
mode, range  
maximum/minimum value  
classify, outcome

## Probability

fair, unfair  
likely, unlikely, likelihood  
certain, uncertain  
probable, possible, impossible  
chance, good chance  
poor chance, no chance  
risk, doubt

## Measures, shape and space

### Measures (general)

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, roughly, about, close to  
about the same as, approximately  
just over, just under

### Length

length, width, height, depth, breadth  
long, short, tall, high, low  
wide, narrow, deep, shallow, 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  
kilometre (km), metre (m),  
centimetre (cm), millimetre (mm)  
mile  
ruler, metre stick, tape measure

### Mass

mass: big, bigger, small, smaller,  
balances  
weight: heavy/light, heavier/lighter,  
heaviest/lightest  
weigh, weighs  
kilogram (kg), half-kilogram, gram (g)  
balance, scales

### Capacity

capacity  
full, half full  
empty  
holds, contains  
litre (l), half-litre, millilitre (ml)

pint, gallon  
container, measuring cylinder

### Area

area, covers, surface  
square centimetre (cm<sup>2</sup>), square  
metre (m<sup>2</sup>)  
square millimetre (mm<sup>2</sup>)

### Time

time  
days of the week: Monday, Tuesday...  
months of the year: January,  
February...  
seasons: spring, summer, autumn,  
winter  
day, week, fortnight, month  
year, leap year, century, millennium  
weekend, birthday  
holiday  
calendar, date, date of birth  
morning, afternoon, evening, night  
am, pm, noon, midnight  
today, yesterday, tomorrow  
before, after, next, last

now, soon, early, late, earliest, latest  
quick, quicker, quickest, quickly  
fast, faster, fastest, 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...?  
timetable, arrive, depart  
hour, minute, second  
o'clock, half past, quarter to,  
quarter past  
clock, watch, hands  
digital/analogue clock/watch, timer  
24-hour clock, 12-hour clock  
how often?  
always, never, often, sometimes,  
usually

### Shape and space

shape, pattern  
flat, line  
curved, straight  
round  
hollow, solid

corner  
point, pointed  
face, side, edge, end  
sort  
make, build, construct, draw, sketch  
centre, radius, diameter  
net  
surface  
angle, right-angled  
congruent  
base, square-based  
vertex, vertices  
layer, diagram  
regular, irregular  
concave, convex  
open, closed

### 3D shapes

3D, three-dimensional  
cube, cuboid  
pyramid  
sphere, hemi-sphere, spherical  
cone  
cylinder, cylindrical  
prism  
tetrahedron, polyhedron, octahedron

### 2D shapes

2D, two-dimensional  
circle, circular, semi-circle  
triangle, triangular  
equilateral triangle, isosceles  
triangle, scalene triangle  
square  
rectangle, rectangular, oblong  
pentagon, pentagonal  
hexagon, hexagonal  
heptagon  
octagon, octagonal  
polygon  
quadrilateral

### Patterns and symmetry

size  
bigger, larger, smaller  
symmetrical  
line of symmetry, axis of symmetry  
line symmetry, reflective symmetry  
fold  
match  
mirror line, reflection, reflect

pattern, repeating pattern,  
translation

### Position, direction and movement

position  
over, under, underneath  
above, below, top, bottom, side  
on, in, outside, inside, around  
in front, behind, front, back  
before, after, beside, next to  
opposite, apart  
between, middle, edge, centre  
corner  
direction  
journey, route, map, plan  
left, right  
up, down, higher, lower  
forwards, backwards, sideways,  
across  
next to, close, far  
along, through, to, from, towards,  
away from  
ascend, descend  
grid, row, column  
origin, coordinates

clockwise, anti-clockwise  
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  
parallel, perpendicular  
x-axis, y-axis  
quadrant  
movement  
slide, roll  
whole turn, half turn, quarter turn  
rotate, rotation  
angle, ...is a greater/smaller angle  
than  
right angle, acute, obtuse  
degree  
straight line  
stretch, bend  
ruler, set square  
angle measurer, compasses,  
protractor