Year 5 Number and Place Value

Place value, ordering and rounding

units, ones, tens, hundreds, thousands
ten thousand, hundred thousand, million
digit, one-, two-, three- or four-digit
number, 5 digit number, 6 digit number
numeral, 'teens' number
place, place value
stands for, represents, exchange
the same number as, as many as
equal to
powers of 10
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, negative integers, Roman numerals I to M
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....
cubed number, prime number

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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

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Year 5 Addition, Subtraction, Multiplication and Division

Addition & Subtraction

column Addition and column subtraction
efficient written methods
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, thousands boundary
units boundary, tenths boundary
inverse

Multiplication & Division

multiplication and division
efficient written methods
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, derive.
composite numbers, prime numbers, prime factors, square numbers, cubed numbers.

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Year 5 Money and Time

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

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, 60 seconds in a minute, 60 minutes in an hour, 24 hours in a day.
clock, watch, hands
digital/analogue clock/watch, timer
24-hour clock, 12-hour clock
how often?
always, never, often, sometimes, usually

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Year 5 Measures and Statistics

Measures (general)

measure, measurement
size, compare, convert.unit,
metric unit, imperial unit, inches, pounds, pints, feet, yards,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, temperature degrees (oC)

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

Area

area, covers, surface
square centimetre (cm2),
far, further, furthest, near, close
distance apart/between... to... from
edge, perimeter
kilometre (km), metre (m), centimetre (cm),
millimetre (mm), Square, mile
centimetres cm2, square metres (m2)
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, volume, centilitres cubed (cl2)
full, half full, empty, holds, contains
litre (l), half-litre, millilitre (ml),pint, gallon
container, measuring cylinder

Statistics

count, tally, sort, vote
survey, questionnaire
data, database
graph, block graph, line graph
pictogram,
represent
group, set, construct
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
range
maximum/minimum value
classify, outcome

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Year 5 Geometry

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, surface

angle, right-angled, acute, obtuse, reflex, congruent, degrees, base, square-based

vertex, vertices layer, diagram, regular, irregular

concave, convex, open, closed, orientation

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, rhombus, kite, parallellagram, trapezium,

rectangle, rectangular, rectilinear, 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

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Position, direction and movement

orientation, 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, though, to, from, towards, away from
ascend, descend
grid, row, column
origin, coordinates, translation
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, whole turn, half turn, quarter turn, rotate, rotation
angle, ...is a greater/smaller angle than
right angle, acute, obtuse, reflex, degree, straight line
stretch, bend, ruler, set square, angle measurer, compasses, protractor

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Year 5 Fractions

Fractions

fractions, decimals, percentages, ratio and proportion
part, equal parts
fraction, proper/improper fraction
mixed number
numerator, denominator
equivalent, reduced to, cancel
Simplify
one whole
half, quarter, eighth
third, sixth, ninth, twelfth
fifth, tenth, twentieth, hundredth
proportion, ratio
equivalent fractions and decimals
decimal, decimal fraction
decimal point, decimal place
percentage, percent, %

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Year 5 Instructions and General

General

same, different
missing number/s
number facts, number pairs, number bonds
greatest value, least value
number line, number track
number square, hundred square
number cards, number grid
abacus
counters, cubes, blocks, rods
die, dice, *spinner*
dominoes
pegs, peg board, pin board
geo-strips
same way, different way
best way, another way
in order, in a different order
not
all, every, each
fluent, fluency, mathematical statements

Instructional

listen, join in, say, recite, think, imagine, remember
start from, start with, start at
look at, point to, show me, put, place, arrange, rearrange
change, change over, split, separate
carry on, continue, repeat, what comes next?
predict, describe the pattern, describe the rule
find, find all, find different
investigate, choose, decide, collect
use, make, build, construct, bisect
tell me, describe, name, pick out, identify, discuss, talk about
explain, explain your method/answer/ reasoning
give an example of... show how you... show your working
justify, make a statement
read, write, record, write in figures
present, represent, interpret, trace, copy, complete, finish, end
fill in, shade, colour, label, plot, tick, cross
draw, sketch, draw a line between, join (up), ring, arrow
cost, count, tally, calculate, work out, solve, convert
investigate, question, answer, check
using a calculator
calculator, display, key, enter, clear, constant

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