Year 4 Number and Place Value

Place value, ordering and rounding
numbers 1-1000, digit,
units, ones, tens, hundreds, thousands
ten thousand, hundred thousand, million
thousand more/less than
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, bigger than, more than,
larger than , <, less than, fewer than,
smaller than
Of three or more objects/amounts:
greatest, most, largest, biggest
least, fewest, smallest,
one… ten… one hundred… one thousand
more/less, compare, order, size
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
just over, just under
exact, exactly
too many, too few, enough, not enough
round (up or down), nearest
round to the nearest ten
round to the nearest hundred
integer, positive, negative
above/below zero, minus
negative integers
Count below 0
Roman numerals I to C

Properties of numbers and number sequences
number, count, how many…?
odd, even
every other
how many times?
relationship
sort, classify, property
multiple of
digit
next, consecutive
sequence
continue
predict
pattern, pair, rule

Making decisions and reasoning
pattern, puzzle
calculate, calculation
mental calculation
method
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 4 Addition, Subtraction, Multiplication and Division

Addition and Subtraction

column addition and column 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…?
is the same as, equals, sign
tens boundary, hundreds boundary, thousands boundary
inverse

Multiplication and division

lots of, groups of
times, multiplication, multiply, multiplied by
multiple of, product
multiplication facts up to 12x12
Factor pairs
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, doubling and halving
share, share equally
one each, two each, three each…
group in pairs, threes… tens
equal groups of
divide, division, divided by, divided into, divisible by, division facts
remainder, factor, quotient, inverse, derive.

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Year 4 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

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

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Year 4 Measures and Statistics

Measures (general)
measure, measurement, size
compare, convert
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
temperature degrees C

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
container, measuring cylinder

Area
area, covers, surface
square centimetre (cm2)

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

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Year 4 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
horizontal line, perpendicular line, parallel line, centre
surface , angle, right-angle
base, square-based
vertex, vertices
layer, diagram
regular, irregular
concave, convex
open, closed
perimeter, area, orientation

3D shapes

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

2D shapes

2D, two-dimensional
circle, circular, semi-circle
triangles, triangle, triangular
equilateral triangle, isosceles triangle, scalene, right-angled 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
fold, match, mirror line, reflection, reflect
pattern, repeating pattern, translation

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Position, direction, movement

Orientation, same orientation, different orientation
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
close, far, near
along, through, to, from, towards, away from
ascend, descend
grid, row, column
origin, coordinates, quadrant, x axis y axis
clockwise, anti-clockwise
Translation

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
movement, whole turn, half turn, quarter turn, three quarter turn
rotate
angle, …is a greater/smaller angle than, right angle, acute, obtuse,
degree, straight line, compass
stretch, bend, ruler, set square angle measurer
right angle, acute angle, obtuse angle, protractor
Greater than/less than 90 degrees.

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Year 4 Fractions

Fractions and decimals

Numerator
Denominator
Unit fraction
Non unit fraction
Compare and order
simplify
part, equal parts
fraction
one whole
half, quarter, eighth
third, sixth
fifth, tenths, twentieth, hundredths
Equivalent, Equivalence
Equivalent decimals and fractions
decimal, decimal fraction
decimal point, decimal place

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Year 4 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
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
tell me, describe, name, pick out, discuss, talk about
explain, explain your method, explain how you got your answer
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, fill in, shade, colour, label, plot
complete, finish, end, tick, cross, draw, sketch
draw a line between, join (up), ring, arrow
cost, count, tally, calculate, work out, solve, investigate, question
answer, check

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