Year 6 Number and Place Value

Place value, ordering and rounding

units, ones, tens, hundreds, thousands
ten thousand, hundred thousand, million,
ten million, digit, one-, two-, three- , four-digit , five digit number and so on.
Numeral, 'teens' number , place, place value, stands for, represents
exchange, powers of ten
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/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, factorise
square number
cubed number
one squared, two squared….
prime, prime factor

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

Algebra

Formulae, linear, algebraic, equation, variables, symbols, equivalent expressions

This material has been produced by Essex Education Services and may not be copied, duplicated or otherwise reproduced whether for profit or otherwise without the express permission in writing of Essex Education Services

Essex County Council

Year 6 Addition, Subtraction, Multiplication and Division

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…?
is the same as, equals, sign
tens boundary, hundreds boundary
units boundary, tenths boundary
inverse
efficient written method, order of operations

Multiplication and division

lots of, groups of
times, multiplication, multiply, 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, division, divided by, divided into
remainder
factor, factorise, factor pairs, composite numbers, prime numbers, prime factors, square numbers, cubed numbers, common factors, common multiples quotient, divisible by
inverse
efficient written method

This material has been produced by Essex Education Services and may not be copied, duplicated or otherwise reproduced whether for profit or otherwise without the express permission in writing of Essex Education Services

Essex County Council

Year 6 Money and Time

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
discount, profit, loss
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
clock, watch, hands
digital/analogue clock/watch, timer
24-hour clock, 12-hour clock
Greenwich Mean Time, British Summer Time
International Date Line
how often?
always, never, often, sometimes, usually

This material has been produced by Essex Education Services and may not be copied, duplicated or otherwise reproduced whether for profit or otherwise without the express permission in writing of Essex Education Services

Essex County Council

Year 6 Measures and Statistics

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…
far, further, furthest, near, close
distance apart/between… to… from
edge, perimeter, circumference
kilometre (km), metre (m), centimetre (cm), millimetre (mm),millimetre cubed (mm3), centimetre cubed (cm3), metre cubed (M3)
mile, yard, feet, foot, inches, inch
ruler, metre stick, tape measure, compasses

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

Capacity
capacity, volume
full, half full, empty
holds, contains
litre (l), half-litre, centilitre (cl), millilitre (ml), pint, gallon
container, measuring cylinder

Area
area, covers, surface
square centimetre (cm2), square metre (m2)
square millimetre (mm2)

Statistics
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, pie chart
table, frequency table
carroll diagram, Venn diagram
label, title, axis, axes
diagram,
most popular, most common
least popular, least common
average,
statistics, distribution
maximum/minimum value
classify, outcome, construct.

This material has been produced by Essex Education Services and may not be copied, duplicated or otherwise reproduced whether for profit or otherwise without the express permission in writing of Essex Education Services

Essex County Council

Year 6 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, radius, diameter
circumference, concentric, arc, net, surface
angle, right-angled, reflex, obtuse, acute,
vertically opposite, congruent
intersecting, intersection
plane, base, square-based
vertex, vertices
layer, diagram
regular, irregular
concave, convex
open, closed, tangram
dimensions
regular/irregular polygons,

3D shapes

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

2D shapes

2D, two-dimensional
circle, radius, diameter, circumference,
circular, semi-circle, triangle, triangular
equilateral triangle, isosceles triangle,
scalene triangle
square, rhombus
rectangle, rectangular, oblong, pentagon,
pentagonal, hexagon, hexagonal, heptagon
octagon, octagonal, polygon
quadrilateral, kite
parallelogram, trapezium.

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

This material has been produced by Essex Education Services and may not be copied, duplicated or otherwise reproduced whether for profit or otherwise without the express permission in writing of Essex Education Services

Essex County Council

Position, direction and movement

four quadrants, 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, four
up, down, higher, lower
forwards, backwards, sideways, across
close, far, near
along, though, 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, reflex
degree
straight line
stretch, bend
ruler, set square
angle measurer, compasses, protractor, degree of accuracy

This material has been produced by Essex Education Services and may not be copied, duplicated or otherwise reproduced whether for profit or otherwise without the express permission in writing of Essex Education Services

Essex County Council

Year 6 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, thousandth
proportion, ratio, in every, for every
to every, as many as
decimal, decimal fraction
decimal point, decimal place
percentage, per cent, % , scale factor

This material has been produced by Essex Education Services and may not be copied, duplicated or otherwise reproduced whether for profit or otherwise without the express permission in writing of Essex Education Services

Essex County Council

Year 6 Instructions and General

General

same, identical, 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
linear number sequence
substitute
variables
symbol, known values

Instructions

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, adjusting, adjust
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, define, 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, interrogate (data), question, prove, answer, check
Calculator, display, key, enter, clear, constant, memory, BODMAS,
percentage key

This material has been produced by Essex Education Services and may not be copied, duplicated or otherwise reproduced whether for profit or otherwise without the express permission in writing of Essex Education Services

Essex County Council

This material has been produced by Essex Education Services and may not be copied, duplicated or otherwise reproduced whether for profit or otherwise without the express permission in writing of Essex Education Services

Essex County Council