|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PLACE VALUE** |  | **PATTERNS** |  | **GEOMETRY** |  |
| Ordering |  | Find function (“rule”) |  | **2D** |  |
| Use sign >, <, = | w/minor mistakes | Find missing no. in pattern |  | Lines (curved, zigzagged, straight) |  |
| Ones, tens |  | Finding error in patterns |  |  (parallel, perpendicular, intersecting) |  |
| Value of digits |  | Complete tables with values |  | Angles (acute, obtuse, right) |  |
| Expanded form (addition) 23 = 20+3 |  | Finding pattern based on these values | +did Fibonacci sequence, too! | Polygons (convex, concave) |  |
| Standard form (90 +8 = 98) | + 3digit no., too | Extending patterns (through + or -)  |  | * sides
 | \*slight confusion w/vertices |
| Graphical representation (blocks) |  |  |  | * vertices
 |  |
| Creating no. using digits | +3digit no., too | * names
 |  |
|  |  | **3D** |  |
| Number strings |  | Naming / identifying |  |
| 100 chart | +complex puzzles | Real-life object |  |
|  |  | Describing – edges, faces | \*occasional confusion |
| **MEASUREMENT** |  | **Symmetry** |  |
| **ADDITION** |  | Selects appropriate tools to measure |  | Identify line of symmetry |  |
| **SUBTRACTION** |  | Estimates then measures using tools |  | Create symmetry (shapes, letters) |  |
|  |  | Compares objects using (non)standard units |  | * blank paper
 |  |
| **PROBLEMS** |  | Length (m) | \*sometimes confused in 2-step word problems  | * tiles
 |  |
| Simple |  | Weight (kg) | * dot lattice paper
 |  |
| Unknown addend (34 + .....= 60) |  | Capacity (l) | **ORIENTATION** |  |
| Create problem based on operation |  | Money (Euro coins) |  | **Grids** (coordinate, intersection, route) |  |
|  | Temperature  |  | **Turns** ( ½ ¼ full turn) | \*occasionally confused |
|  |  |  |  |
| **DATA** |  | **Time** |  | **FRACTIONS** |  |
| Interprets data (questions) |  | Reads hour/half/quarter of an hour |  | Understand equal parts within whole |  |
| Creates own graphs | all, except pie graph | Uses calendar |  | Can identify/write fractions |  |
| Venn diagrams (2 circles) | +3-circle Venn! | Can put events in a timeline |  | * shapes
 |  |
| Online graph |  | Can read timetables/time charts |  | * sets of objects
 |  |

* NUMBER SENSE: Only 2-digit number tasks are required to meet the standards (M); 3-digit numbers and the tasks related to these exceed grade-level expectations
* GEOMETRY: Geometrical elements (vertices, sides, edges etc) are required for simple shapes (i.e. triangle) in order to meet the standards
* MEASUREMENT: Elapsed time exceeds M
* FRACTIONS: Only fractions with the denominator 1 (i.e. ¼) are required for M