

## **Numbers and comparing**

**A.1** Even or odd

**A.2** Even or odd: arithmetic rules

**A.3** Skip-counting puzzles

**A.4** Number sequences

**A.5** Ordinal numbers to 100th

**A.6** Write numbers in words

**A.7** Comparing numbers

**A.8** Which number is greatest/least?

**A.9** Put numbers in order

## **Place values**

**B.1** Place value models up to hundreds

**B.2** Place value names up to hundreds

**B.3** Place value names up to thousands

**B.4** Value of a digit

**B.5** Convert to/from a number

**B.6** Convert between place values

**B.7** Convert from expanded form

**B.8** Convert between standard and expanded form

**B.9** Place value word problems

## **Addition**

**C.1** Add two numbers up to three digits

**C.2** Addition input/output tables - up to three digits

- C.3 Add two numbers up to three digits - word problems
- C.4 Complete the addition sentence - up to three digits
- C.5 Balance addition equations - up to three digits
- C.6 Add three or more numbers up to three digits each
- C.7 Add three or more numbers up to three digits - word problems
- C.8 Addition patterns over increasing place values
- C.9 Addition: fill in the missing digits

### **Subtraction**

- D.1 Subtract numbers up to three digits
- D.2 Subtraction input/output tables - up to three digits
- D.3 Subtract numbers up to three digits - word problems
- D.4 Complete the subtraction sentence - up to three digits
- D.5 Balance subtraction equations - up to three digits
- D.6 Subtraction patterns over increasing place values
- D.7 Subtraction: fill in the missing digits

### **Understand multiplication**

- E.1 Count equal groups
- E.2 Identify multiplication expressions for equal groups
- E.3 Write multiplication sentences for equal groups
- E.4 Relate addition and multiplication for equal groups
- E.5 Identify multiplication expressions for arrays
- E.6 Write multiplication sentences for arrays
- E.7 Make arrays to model multiplication

**E.8** Write multiplication sentences for number lines

**Multiplication skill builders**

**F.1** Multiply by 0

**F.2** Multiply by 1

**F.3** Multiply by 2

**F.4** Multiply by 3

**F.5** Multiply by 4

**F.6** Multiply by 5

**F.7** Multiply by 6

**F.8** Multiply by 7

**F.9** Multiply by 8

**F.10** Multiply by 9

**F.11** Multiply by 10

**Multiplication fluency**

**G.1** Multiplication tables for 2, 3, 4, 5, 10

**G.2** Multiplication facts for 2, 3, 4, 5, 10: true or false?

**G.3** Multiplication facts for 2, 3, 4, 5, 10: sorting

**G.4** Multiplication tables for 6, 7, 8, 9

**G.5** Multiplication facts for 6, 7, 8, 9: true or false?

**G.6** Multiplication facts for 6, 7, 8, 9: sorting

**G.7** Multiplication tables up to 10

**G.8** Multiplication facts up to 10: true or false?

**G.9** Multiplication facts up to 10: sorting

**G.10** Multiplication sentences up to 10: true or false?

**G.11** Multiplication facts up to 10: find the missing factor

**G.12** Multiplication facts up to 10: select the missing factors

**G.13** Squares up to  $10 \times 10$

## **Multiplication**

**H.1** Multiplication sentences

**H.2** Multiply numbers ending in zeroes

**H.3** Multiplication input/output tables

**H.4** Multiplication word problems

**H.5** Multiplication word problems: find the missing factor

**H.6** Multiply one-digit numbers by two-digit numbers

**H.7** Multiply one-digit numbers by two-digit numbers: word problems

**H.8** Multiply one-digit numbers by three-digit numbers

**H.9** Multiply one-digit numbers by three-digit numbers: word problems

**H.10** Box multiplication

**H.11** Lattice multiplication

## **Understand division**

**I.1** Divide by counting equal groups

**I.2** Write division sentences for groups

**I.3** Relate multiplication and division for groups

**I.4** Write division sentences for arrays

**I.5** Relate multiplication and division for arrays

## **Division skill builders**

**J.1** Divide by 1

**J.2** Divide by 2

**J.3** Divide by 3

**J.4** Divide by 4

**J.5** Divide by 5

**J.6** Divide by 6

**J.7** Divide by 7

**J.8** Divide by 8

**J.9** Divide by 9

**J.10** Divide by 10

## **Division fluency**

**K.1** Division facts for 2, 3, 4, 5, 10

**K.2** Division facts for 2, 3, 4, 5, 10: true or false?

**K.3** Division facts for 2, 3, 4, 5, 10: sorting

**K.4** Division facts for 6, 7, 8, 9

**K.5** Division facts for 6, 7, 8, 9: true or false?

**K.6** Division facts for 6, 7, 8, 9: sorting

**K.7** Division facts up to 10

**K.8** Division facts up to 10: true or false?

**K.9** Division facts up to 10: sorting

**K.10** Division facts up to 10: find the missing number

**K.11** Division sentences up to 10: true or false?

## **Division**

- L.1 Complete the division table
- L.2 Division input/output tables
- L.3 Division word problems
- L.4 Divisibility rules for 2, 5 and 10

## **Data and graphs**

- M.1 Interpret line plots
- M.2 Create line plots
- M.3 Interpret pictographs
- M.4 Create pictographs
- M.5 Sort shapes into a Venn diagram
- M.6 Count shapes in a Venn diagram

## **Money**

- N.1 Count coins and notes - up to 500-rupee note
- N.2 Which picture shows more?
- N.3 Purchases - do you have enough money - up to 1,000 rupees
- N.4 Making change
- N.5 Inequalities with money
- N.6 Put money amounts in order
- N.7 Add and subtract money amounts
- N.8 Add money amounts - word problems
- N.9 Price lists

## **Time**

**O.1** Match analogue clocks and times

**O.2** Match digital clocks and times

**O.3** Read clocks and write times

**O.4** A.M. or P.M.

**O.5** Elapsed time

**O.6** Elapsed time word problems

**O.7** Time patterns

**O.8** Read a calendar

**O.9** Reading schedules

**O.10** Timelines

## **Measurement**

**P.1** Measure using a centimetre ruler

**P.2** Which metric unit of length is appropriate?

**P.3** Compare and convert metric units of length

**P.4** Conversion tables

**P.5** Metric mixed units

**P.6** Light and heavy

**P.7** Holds more or less

**P.8** Compare weight and capacity

**P.9** Read a thermometer

**P.10** Reasonable temperature

## **Geometry**

- Q.1 Identify two-dimensional shapes
- Q.2 Count and compare sides and vertices
- Q.3 Identify three-dimensional shapes
- Q.4 Count vertices, edges and faces
- Q.5 Identify faces of three-dimensional shapes
- Q.6 Is it a polygon?
- Q.7 Reflection, rotation and translation
- Q.8 Symmetry
- Q.9 Maps
- Q.10 Find the area of rectangles and squares
- Q.11 Find the missing side length of a rectangle

### **Properties**

- R.1 Addition, subtraction, multiplication and division terms
- R.2 Understanding parentheses
- R.3 Properties of addition
- R.4 Solve using properties of addition
- R.5 Properties of multiplication
- R.6 Solve using properties of multiplication
- R.7 Distributive property: find the missing factor
- R.8 Multiply using the distributive property
- R.9 Relate addition and multiplication
- R.10 Relate multiplication and division

### **Mixed operations**



- S.1 Addition, subtraction, multiplication and division facts
- S.2 Complete the addition, subtraction, multiplication or division sentence
- S.3 Multiplication and division facts up to 5: true or false?
- S.4 Multiplication and division facts up to 10: true or false?
- S.5 Multiplication and division facts up to 12: true or false?
- S.6 Multiplication and division sentences up to 12: true or false?
- S.7 Add, subtract, multiply and divide
- S.8 Addition, subtraction, multiplication and division word problems
- S.9 Add and subtract data from tables
- S.10 Multi-step word problems
- S.11 Missing operators

### **Estimation and rounding**

- T.1 Rounding
- T.2 Round money amounts
- T.3 Rounding puzzles
- T.4 Estimate sums
- T.5 Estimate sums: word problems
- T.6 Estimate differences
- T.7 Estimate differences: word problems
- T.8 Estimate products
- T.9 Estimate products: word problems
- T.10 Estimate sums, differences and products: word problems

### **Logical reasoning**

**U.1** Guess the number

**U.2** Largest/smallest number possible

**U.3** Find the order

**U.4** Age puzzles

**U.5** Find two numbers based on sum and difference

**U.6** Find two numbers based on sum, difference, product and quotient

## **Patterns**

**V.1** Repeating patterns

**V.2** Growing patterns

**V.3** Find the next shape in a pattern

**V.4** Complete a repeating pattern

**V.5** Make a repeating pattern

**V.6** Find the next row in a growing pattern

## **Probability**

**W.1** More, less and equally likely

**W.2** Certain, probable, unlikely and impossible

**W.3** Combinations