

Grade 1 checklist

11 skills. Tick each one when you can do it. For grade 1 you need the skills for the grades below it too.

Number

- ☐ **Order integers and decimals** Line up the decimal points and compare digits from the left, so 0.407 is smaller than 0.47. (Place value, ordering and order of operations)
- ☐ **Use the order of operations (BIDMAS)** Brackets, then indices, then $\times$ and $\div$, then $+$ and $-$, so $3 + 4 \times 2 = 11$. (Place value, ordering and order of operations)
- ☐ **Find factors and multiples of a number** Factors divide exactly into a number (factors of 12: 1, 2, 3, 4, 6, 12); multiples are in its times table (12, 24, 36, ...). (Primes, factors, HCF and LCM)
- ☐ **Simplify a fraction** Divide the top and bottom by a common factor, e.g. $\frac{18}{24} = \frac{3}{4}$. (Fractions and mixed numbers)
- ☐ **Recall square numbers and square roots** Know the squares up to $15^2 = 225$ and their square roots, e.g. $\sqrt{144} = 12$. (Indices and roots)
- ☐ **Round to the nearest 10, 100 or 1000** Look at the next digit: 5 or more rounds up, so 3472 is 3500 to the nearest 100. (Rounding, estimation and error intervals)

Algebra

- ☐ **Collect like terms** Add or subtract terms with exactly the same letters, e.g. $3a + 5b - a + 2b = 2a + 7b$. (Algebraic notation, substitution and identities)

Geometry and measures

- ☐ **Find the perimeter by adding the sides** Add the lengths of all the edges around the outside of the shape. (Area and perimeter)

Probability

- ☐ **Describe likelihood on a 0 to 1 scale** Use impossible (0), unlikely, even chance (0.5), likely and certain (1), and mark events on a probability scale. (Probability and relative frequency)

Statistics

- ☐ **Read pictograms, bar charts and tables** Use the key of a pictogram (for example, one symbol stands for 4 people) and read bar heights carefully against the scale. (Charts, diagrams and time series)
- ☐ **Find the mode and range of a list** The mode is the most common value; the range is the largest value minus the smallest value. (Averages and spread)

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