Carry the 1 MATH

Violet

Ahead for September: 6 of 7 grade-2 key skills already in place.

Grade 2 · Week 1 (Week 2 printed, results not back yet)

THIS WEEK

60	95%	14%
problems completed	right	skipped, of 70 printed (all on timed pages)

SINCE THE START, THROUGH WEEK 1

60	95%	14%
problems completed	right	skipped, of 70 printed (all on timed pages)

Skills in Week 1

2-digit minus 2-digit, written, with regrouping	new	8 of 8
Add up to four 2-digit numbers	quick check	5 of 5
Count within 1,000	quick check	2 of 2
Subtract within 100 with place-value strategies	quick check	2 of 2
Add within 100 with place-value strategies	quick check	2 of 2
Input-output tables with addition and subtraction	quick check	2 of 2
Time to the hour and half hour	quick check	2 of 2
3-digit addition, no regrouping	quick check	2 of 2
3-digit subtraction, no regrouping	quick check	5 of 5
Sums within 20 from memory	timed	27 of 40 in 2 min

How the week went

Week 1 was about **2-digit minus 2-digit, written, with regrouping**. It also checked a few things Violet likely knew already, in addition and subtraction, and place value.

Violet got 8 of the 9 skills right or nearly right. **2-digit minus 2-digit, written, with regrouping** is coming along (8 of 8). One more good sitting and it's learned. It comes back soon. On the two-minute page for **Sums within 20 from memory**, Violet got 27 right, with 3 misses. A page passes at 30 right, so this set stays for now.

Violet is ahead for September: 6 of 7 grade-2 key skills already in place. Think of K-5 math as a road. Violet has the key skills of kindergarten through grade 1 in place. About 38 smaller skills from those grades still need a quick look, and we fit those in as we go. Now Violet is about a quarter of the way into grade 2. The next key skills are in addition and subtraction.

Coming up

Week 2 is printed and waiting for photos.

The K-5 skills map is on the next page. Generated September 18, 2026.

Violet: K-5 skills map

Every skill from kindergarten through grade 5 that can be done on paper. A filled green dot has been shown on paper; darker green has held up on review. A half-filled dot is likely but not yet seen on paper. A triangle is being worked on. A hollow grey circle is not yet.

	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Number & place value	◓ Count objects to 20 ○ Ten frames ◓ Read and write numerals 0 to 20 ◓ Count to 100 by ones and tens ○ Compare groups and numbers to 10 ○ Story problems within 10 ◓ Teen numbers as ten and some ones ○ Ordinal numbers ○ Repeating patterns ○ Count forward from any number ○ Sort objects by kind and count them	○ Growing number patterns ◓ Count, read, and write to 120 ○ Count backwards ● Tens and ones ○ Read base-ten blocks ○ Compare 2-digit numbers with < ● 2-digit plus 1-digit	● Hundreds, tens, and ones ○ Read base-ten blocks ○ Numerals, number names, and expanded form to 1,000 ● Count within 1,000 ○ Compare 3-digit numbers with < ○ Add or subtract 10 or 100 mentally ○ Odd and even numbers ○ Whole numbers and sums on a number line ○ Jumps on a number line	○ Roman numerals ○ Round to the nearest 10 or 100	○ Place value to 1,000,000 ○ Numerals, names, and expanded form to 1,000,000 ○ Compare multi-digit numbers ○ Round to any place	○ Place value with decimals ○ Multiply and divide by powers of ten ○ Powers-of-ten facts from memory ○ Read and write decimals to thousandths ○ Decimals on a number line ○ Compare decimals to thousandths ○ Round decimals to any place ○ Multiply multi-digit numbers with the standard algorithm ○ Divide by a two-digit divisor ○ Add and subtract decimals to hundredths ○ Multiply decimals ○ Divide decimals
Add & subtract	◓ Number bonds ◓ Pairs that make 10 ◓ Add within 5 ◓ Subtract within 5 ◓ Add and subtract within 10	● Sums within 10 from memory ○ Doubles and doubles plus one ◓ Differences within 10 from memory ● Add within 20 with make-ten and doubles ◓ Subtract within 20 with strategies ● Missing addend and the meaning of equals ○ True or false equations ○ Subtract multiples of ten ○ Add three numbers ○ Turn-around facts and making ten inside a sum ○ Subtraction as a missing addend ○ Fact families for addition and subtraction ○ Count on and count back to add and subtract	**● Sums within 20 from memory** ● Differences within 20 from memory ● Add within 100 with place-value strategies ● Subtract within 100 with place-value strategies ● 2-digit plus 2-digit, written, with regrouping **▲ 2-digit minus 2-digit, written, with regrouping** ● Add up to four 2-digit numbers ○ Mixed addition and subtraction facts within 20 ● 3-digit addition, no regrouping ○ 3-digit addition, regroup ones and tens ● 3-digit subtraction, no regrouping **▲ 3-digit subtraction, regroup once** ○ 3-digit subtraction, regroup twice	○ Subtract across zeros ○ Fluent add and subtract within 1,000 ○ Estimate sums and differences by rounding	○ Standard algorithm	

	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Multiply & divide			○ Arrays and repeated addition	○ Products as equal groups ○ Quotients as sharing and grouping ○ Multiplication facts for 2 ○ Multiplication facts for 3 and 4 ○ Find the missing operation sign ○ Multiplication facts for 6 ○ All multiplication facts to 10 x 10 from memory ○ Division facts as unknown factor ○ Mixed multiplication and division facts ○ Fact families for multiplication and division ○ Commutative, associative, and distributive properties ○ Unknown in a multiplication or division equation ○ Patterns in the multiplication table ○ 1-digit times multiples of ten	○ Multiplication facts for 11 and 12 ○ Multiplicative comparison ○ 2-digit times 1-digit with area model and partial products ○ 2-digit divided by 1-digit ○ Division with remainders ○ Interpret remainders in context ○ Factor pairs and multiples to 100 ○ Prime and composite numbers ○ 3- and 4-digit times 1-digit ○ 2-digit times 2-digit ○ Up to 4-digit divided by 1-digit ○ Estimate quotients with compatible numbers ○ Estimate products	○ Evaluate expressions with parentheses and brackets ○ Interpret expressions without evaluating them ○ Two numerical patterns and the relationship between them
Fractions & decimals			○ Halves, thirds, and fourths of shapes	○ Unit fractions ○ Fractions on a number line ○ Equivalent fractions with models ○ Whole numbers as fractions ○ Compare fractions with the same numerator or the same denominator	○ Equivalent fractions by doubling ○ Equivalent fractions by multiplying numerator and denominator ○ Compare unlike fractions with common denominators or benchmarks ○ Decompose a fraction into a sum of fractions ○ Add and subtract fractions with like denominators ○ Mixed numbers and improper fractions ○ Add and subtract mixed numbers with like denominators ○ Fraction word problems ○ Fraction times a whole number ○ Tenths as hundredths ○ Decimal notation for tenths and hundredths ○ Compare decimals to hundredths	○ Add and subtract fractions with unlike denominators ○ Add and subtract mixed numbers with unlike denominators ○ Estimate fraction sums and differences with benchmarks ○ Fraction addition and subtraction word problems ○ A fraction is a division ○ Multiply a fraction by a fraction or a whole number ○ Area of a rectangle with fractional sides ○ Multiplication as scaling ○ Fraction multiplication word problems ○ Divide unit fractions by whole numbers and whole numbers by unit fractions ○ Unit-fraction division word problems

	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Measure, time, money, data	○ Compare length and weight directly	○ Read a calendar ○ Ten more and ten less mentally ● Time to the hour and half hour ○ Measure length with nonstandard units ○ Organize and read data in three categories ○ Read tally charts ○ Order three objects by length	○ Calendar problems ○ Measure and estimate length ○ How much longer ○ Picture graphs and bar graphs ○ Line plots with whole units ● Time to five minutes ● Count coins and bills ○ Making change and having enough ○ Length word problems	○ Read a thermometer ○ Measure to the half and quarter inch ○ Time to the minute ○ Elapsed time ○ Grams, kilograms, liters ○ Area as unit squares ○ Perimeter and finding an unknown side ○ Scaled picture and bar graphs ○ Area of a rectangle by multiplying ○ Area of composite rectangles	○ Money problems with decimals ○ Unit relationships ○ Line plots with halves ○ Angles and degrees as turns ○ Measure angles with a protractor ○ Add and subtract angle measures ○ Rectangle area and perimeter formulas ○ Measurement problems with fractions and decimals	○ Convert within a measurement system ○ Line plots with fractions ○ Volume as unit cubes ○ Volume of a rectangular prism ○ Volume of two boxes joined together ○ Volume word problems
Shapes	○ Name and describe shapes ○ Name solid shapes ○ Compare shapes by sides and corners	○ What makes a shape a triangle ○ Halves and fourths of shapes	○ Identify and draw shapes by attributes ○ Partition a rectangle into rows and columns of squares	○ Rhombus, rectangle, square as quadrilaterals ○ Partition shapes into equal areas as unit fractions	○ Points, lines, segments, rays, parallel and perpendicular ○ Lines of symmetry ○ Classify figures by lines and angles	○ Points on the coordinate plane ○ Distances and problems on the coordinate plane ○ Classify two-dimensional figures in a hierarchy
Word problems		○ Word problems within 20	● Input-output tables with addition and subtraction ● One-step add or subtract word problems ○ Two-step add and subtract word problems	○ One-step multiply or divide word problems ○ Two-step word problems ○ Unknowns in equations	○ Input-output tables with all four operations ○ Multiplicative comparison word problems ○ Multi-step word problems with a letter for the unknown ○ Number and shape patterns that follow a rule	

○ Not yet ◓ Likely ◓ Not sure yet ▲ Learning ▲ Learning again ● Demonstrated ● Confirmed ● Learned