SheetFormR Math Mode — Grade 5

CCSS Domains: 5.OA | 5.NBT | 5.NF | 5.MD | 5.G

How to use:
Step 1: Add a column named Equation (or Math, Formula, EQ, LaTeX) to your spreadsheet.
Step 2: Type your equation using the notation below.   Step 3: Enable Render Math Equations in Build Options.
Step 4: Build your form — equations appear as crisp, professional images! No codes needed.

Notation: * = multiply   ^ = exponent   / = fraction   ( ) = grouping   > < = compare

Mixed Numbers: Type a SPACE between the whole number and fraction. 2 1/3 = mixed number. 21/3 = twenty-one thirds.

Quick Start: You type: 2/3 * 3/4 **->**   *Students see: a rendered fraction image: 2/3 x 3/4*

Operations & Algebraic Thinking (5.OA)

Standard	What You Want	Type in Equation Column	Students See (rendered image)
5.OA.1	Order of operations	2 * (3 + 4)	*2 x (3 + 4)*
5.OA.1	Nested grouping	3 * (2 + (5 – 1))	*3 x (2 + (5 - 1))*
5.OA.2	Write expressions	2 * (8 + 7)	*2 x (8 + 7)*

Decimals & Place Value (5.NBT) -- SBAC Priority

Standard	What You Want	Type in Equation Column	Students See (rendered image)
★ **5.NBT.1**	Powers of 10	10^2 = 100	*10 squared = 100*
★ **5.NBT.2**	Multiply by power 10	3.4 * 10^2	*3.4 x 10 squared*
★ **5.NBT.2**	Divide by power 10	456/10^2	*456 / 10 squared*
★ **5.NBT.3**	Read decimals	0.375	*0.375*
★ **5.NBT.3b**	Compare decimals	0.62 > 0.062	*0.62 > 0.062*
★ **5.NBT.5**	Multi-digit multiply	345 * 67	*345 x 67*
★ **5.NBT.6**	Multi-digit divide	1,344/16	*1,344 / 16*
★ **5.NBT.7**	Decimal add/sub	3.45 + 2.7	*3.45 + 2.7*
★ **5.NBT.7**	Decimal multiply	0.6 * 0.3	*0.6 x 0.3*
★ **5.NBT.7**	Decimal divide	4.56/0.3	*4.56 / 0.3*

Fraction Operations (5.NF) -- SBAC Priority

Standard	What You Want	Type in Equation Column	Students See (rendered image)
★ **5.NF.1**	Add unlike denom.	1/3 + 1/4	*1/3 + 1/4*
★ **5.NF.1**	Subtract unlike denom.	5/6 – 1/3	*5/6 - 1/3*
★ **5.NF.1**	Mixed number add	2 1/3 + 1 1/4	*2 1/3 + 1 1/4*
★ **5.NF.1**	Mixed number sub	5 3/4 – 2 1/2	*5 3/4 - 2 1/2*
★ **5.NF.3**	Fraction as division	3/5	*3/5 (3 divided by 5)*
★ **5.NF.4**	Fraction x fraction	2/3 * 3/4	*2/3 x 3/4*
★ **5.NF.4b**	Area with fractions	1/2 * 3/4	*1/2 x 3/4 (sq units)*
★ **5.NF.5**	Scaling (> or < 1)	3/4 * 7	*3/4 x 7 (less than 7)*
★ **5.NF.6**	Mixed number multiply	2 1/2 * 1 1/3	*2 1/2 x 1 1/3*
★ **5.NF.7a**	Unit frac by whole	1/3 / 4	*1/3 over 4*
★ **5.NF.7b**	Whole by unit frac	4/1/3	*4 / (1/3)*

Volume & Coordinates (5.MD, 5.G)

Standard	What You Want	Type in Equation Column	Students See (rendered image)
5.MD.3-5	Volume = l x w x h	6 * 4 * 3	*6 x 4 x 3*
5.MD.5b	Volume of composite	5*3*2 + 4*3*2	*5x3x2 + 4x3x2*
5.MD.5c	V = B x h	B * h	*B x h*
5.G.1	Coordinate pair	(3, 5)	*(3, 5)*

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Below Grade: Grade 4 Review

Standard	What You Want	Type in Equation Column	Students See (rendered image)
4.NF.3c	Mixed number concept	1 3/4	*1 3/4*
4.NF.4	Fraction x whole	5 * 2/3	*5 x 2/3*
4.NF.5	Denom. 10 and 100	3/10 = 30/100	*3/10 = 30/100*
4.NBT.5	Multiply multi-digit	35 * 12	*35 x 12*
4.MD.3	Area and perimeter	2 * (l + w)	*2 x (l + w)*

Above Grade: Grade 6 Preview

Standard	What You Want	Type in Equation Column	Students See (rendered image)
6.NS.1	Divide fractions	2/3 / 4/5	*2/3 / 4/5*
6.NS.5-6	Negative numbers	−5	*-5*
6.NS.7	Absolute value	|−7| = 7	*|-7| = 7*
6.EE.1	Exponents	3^2	*3 squared*
6.EE.2	Variable expressions	2x + 3	*2x + 3*
6.RP.1	Ratio notation	3/4	*3 over 4 (ratio)*

Smarter Balanced (SBAC) Test Prep Tips

These equations align with SBAC Claim 1 (Concepts & Procedures). For Claims 2-4 (Problem Solving, Reasoning, Modeling),
embed equations in word problems using the Question column. Stars mark SBAC priority standards tested most heavily.

SBAC Question Types in SheetFormR: Multiple Choice = Selected Response | Checkbox = Multiple Select | Short Answer = Constructed Response

Practice with real SBAC items: sampleitems.smarterbalanced.org | Practice/Training Tests: practice.smarterbalanced.org

Common Mistakes:

Always enable "Render Math Equations" in Build Options before building. Use * for multiplication (not the letter x).
The "Students See" column describes the rendered image — it is NOT what you type. Preview your form to check equations.