

Words and Mathematical Phrases

Operation	Example Of Word Phrase	Translated into Symbols
Addition		
sum	the <i>sum</i> of 5 and 12	$5 + 12$ or $12 + 5$
total	the <i>total</i> price of three items: \$5, \$12, and \$25	$5 + 12 + 25$ (in any order)
all together	If there were 7 blue cars, 12 red cars, and 5 white cars, how many were there <i>all together</i> ?	$7 + 12 + 5$ (in any order)
increase	<i>increase 16 by 3</i>	$16 + 3$ or $3 + 16$
increased by	29 <i>increased by 7</i>	$29 + 7$ or $7 + 29$
add, added to	13 <i>added to 12</i>	$13 + 12$ or $12 + 13$
plus	17 <i>plus 8</i>	$17 + 8$ or $8 + 17$
more than	Diane had \$13 more <i>than</i> Tina who had \$45. How much did Diane have?	$\$45 + \13 or $\$13 + \45
Subtraction		
subtract	<i>subtract 8 from 19</i>	$19 - 8$
difference	the <i>difference</i> between 14 and 7	$14 - 7$
left	of 9 items, 6 were used, how many were <i>left</i> ?	$9 - 6$
remaining	<i>if 12 of 25 were sold, how many remained?</i>	$25 - 12$
how much more, how much more than	A psychology book costs \$49 and a math book costs \$63. <i>How much more</i> does the math book cost?	$63 - 49$
decrease, decreased by	<i>decrease 37 by 9</i> or <i>37 decreased by 9</i>	$37 - 9$
minus	41 <i>minus 14</i>	$41 - 14$
fewer	11 bottles <i>fewer</i> than the 32 started with	$32 - 11$
less	\$15 <i>less</i> an \$8 discount	$15 - 8$
less than	15 <i>less than 45</i>	$45 - 15$
Multiplication		
multiply, multiplied by	<i>multiply 5 by 8</i> or <i>5 multiplied by 8</i>	5×8 or 8×5
product	the <i>product</i> of 12 and 6	12×6 or 6×12
times	17 <i>times 3</i>	17×3 or 3×17
of	one half <i>of</i> 16 Six tenths <i>of</i> SCC students wear Nikes. There are 12,000 SC. students.	$\frac{1}{2} \times 16$ or $16 \times \frac{1}{2}$ $0.6 \times 12,000$
twice	<i>twice 15</i>	2×15 or 15×2
Division		
divide, divided by, divide into equal parts	<i>divide 28 by 7</i> or <i>28 divided by 7</i>	$28 \div 7$ or $7 \overline{)28}$ or $\frac{28}{7}$
quotient	the <i>quotient</i> of 18 and 3	$18 \div 3$ or $3 \overline{)18}$ or $\frac{18}{3}$
per	miles <i>per</i> gallon	miles \div gallons or gal $\overline{)}$ miles or $\frac{\text{miles}}{\text{gallons}}$
average	the <i>average</i> of 12, 18, and 23	$\frac{12 + 18 + 23}{3}$
ratio	the <i>ratio</i> of 20 and 5	$20 \div 5$ or $5 \overline{)20}$ or $\frac{20}{5}$
distribute evenly or distribute equally	<i>distribute \$200 evenly</i> between 4 people	$200 \div 4$ or $4 \overline{)200}$ or $\frac{200}{4}$
cut up, cut into	<i>cut 15 feet of ribbon into 5 equal pieces</i>	$15 \div 5$ or $5 \overline{)15}$ or $\frac{15}{5}$