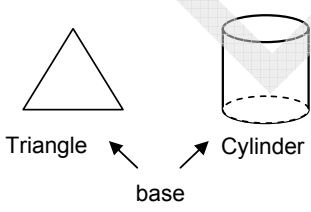
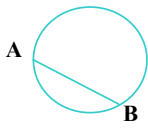
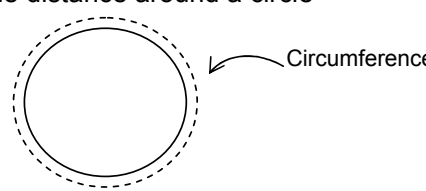


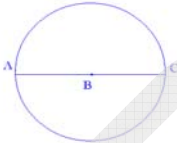
Supplementary Social Studies Glossaries
Math (Grades 7 and 8)
(NOT TO BE USED FOR ELL TESTING ACCOMMODATION)

ENGLISH	CHINESE
A	
acute angle - An angle that has a measure less than 90°	锐角- 小于90度的角
angle - A figure formed by two rays that meet at a common endpoint	角：由两条射线交于一终点形成的图形
area - The number of square units needed to cover a surface	面积
Associative Property of Addition - The property which states that when adding three or more addends, any two of the addends can be joined, and the remaining addenda may then be added to their sum without changing the total sum <i>Example:</i> $(7+ 5) + 6 = 7+ (5 + 6)$ $12 + 6 = 7+11$ $18 = 18$	加法结合律
Associative Property of Multiplication – The property which states that when multiplying three or more factors, any two of the factors can be multiplied and the remaining factors may then be multiplied without changing the total product <i>Example:</i> $(3 \times 4) \times 5 = 3 \times (4 \times 5)$ $12 \times 5 = 3 \times 20$ $60 = 60$	乘法结合律
average - The number found by dividing the sum of a set of numbers by the number of addends	平均值，一组数字相加后除以这组数字的数目
B	
Bar graph – A graph which uses bars of different heights or lengths to show and compare information	条形图表
Base – a side of a polygon or a face of a solid figure by which the figure is measured or named <i>Example</i> 	底边，底面
base - A number used as a repeated factor <i>Example:</i> $10^3 = 10 \times 10 \times 10$ The base is 10. It is used as a factor three times.	底数，例子中的底数是10。
C	
capacity - The amount of liquid a container can hold	能装液体的容积
category - A type of information in a data base, such as names or phone numbers	类别
cell -In a spreadsheet, a block area in which data or formulas can be entered; located by an address consisting of a letter and a number	单位格
centimeter (cm) - A unit of length in the metric system 0.01 meter = 1 centimeter	厘米-公制长度单位

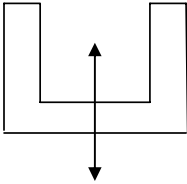
Supplementary Social Studies Glossaries
Math (Grades 7 and 8)
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ENGLISH	CHINESE
<p>chord - A line segment with endpoints on a circle <i>Example</i></p> 	弦-两终点在圆上的线段
<p>circle - A flat, round shape that has all points the same distance from the center point</p>	圆，圆周上所有的点，与圆心距离都相等
<p>circle graph - A graph in the shape of a circle that shows fractions, percents, or parts of a whole</p>	圆形图表
<p>circumference The distance around a circle <i>Example</i></p> 	圆周
<p>closed figure - An outline of a shape that begins and ends at the same point</p>	闭合图形
<p>clustering - A method used in estimation when several addends are close to the same number that is easy to compute mentally</p>	分组加法
<p>common factor - A number that is a factor of two or more numbers <i>Example:</i> The common factors of 6 and 12 are 1, 2, 3, and 6.</p>	公约数
<p>common multiple - A number that is a multiple of two or more numbers <i>Example:</i> A common multiple of 2, 3, 4, and 6 is 24.</p>	公倍数
<p>Commutative Property of Addition – The property which states that when the order of two addends is changed, the sum is the same <i>Example:</i> $6+4 = 4+6$ $10 = 10$</p>	加法交换率
<p>Commutative Property of Multiplication -The property which states that when the order of two factors is changed, the product is the same <i>Example:</i> $5 \times 7 = 7 \times 5$ $35 = 35$</p>	乘法交换率
<p>compatible numbers - Pairs of numbers that are easy to compute mentally</p>	相容数
<p>composite numbers - Numbers that have more than two factors <i>Example:</i> 6 is a composite number since its factors are 1, 2, 3, and 6.</p>	合数
<p>cone - A solid figure that has a flat, round base</p>	圆锥体
<p>congruent figures - Figures that have the same size and shape</p>	全等图形
<p>coordinates - The two numbers in an ordered pair</p>	坐标值

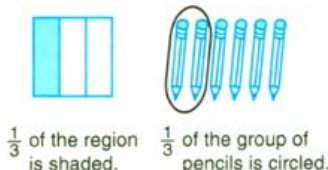

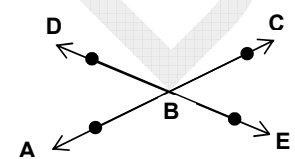
Supplementary Social Studies Glossaries
Math (Grades 7 and 8)
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ENGLISH	CHINESE
cube - A solid figure with six congruent square faces	正方体
cup (c) - A customary unit for measuring capacity 8 fluid ounces = 1 cup	杯-英制容量单位
cylinder A solid figure with two faces that are parallel, congruent circles	圆柱体
D	
data - Information, such as text, formulas, or numbers, that can be organized, sorted, collected, or used in calculations	数据
data base - A computer program used to organize, sort, and find the kind of information that is normally kept in a list or on file cards	数据库
decimal - A number that uses place value and a decimal point to show values less than one, such as tenths, hundredths, and so on	小数
decimeter (dm) - A unit of length in the metric system 10 centimeters = 1 decimeter	分米-公制长度单位
degree (°) - A unit for measuring angles and for measuring temperature	度-
degree Celsius (°C) - A metric unit for measuring temperature	摄氏度-公制温度单位
degree Fahrenheit (°F) - A unit of the customary system for measuring temperature	华氏度-英制温度单位
diameter - A line segment that passes through the center of a circle and has its endpoints on the circle <i>Example:</i>  <small>Line segment \overline{AC} is a diameter of circle B.</small>	直径， 两点接触圆周， 跨越圆心的直线
Distributive Property of Multiplication -The property which states that multiplying a sum by a number is the same as multiplying each addend by the number and then adding the products <i>Example:</i> $3 \times (4 + 2) = (3 \times 4) + (3 \times 2)$ $3 \times 6 = 12 + 6$ $18 = 18$	乘法分配律
dividend - The number that is to be divided in a division problem <i>Example:</i> $\overline{)3}18$ The dividend is 18.	被除数
divisible - A number is divisible by another number if the result of the division is a whole number and the remainder is zero <i>Example:</i> 18 is divisible by 3.	可除尽数， 余数为零

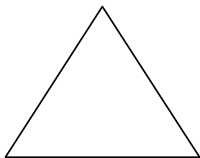
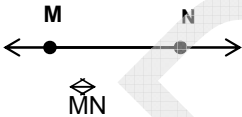
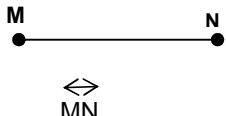
Supplementary Social Studies Glossaries
Math (Grades 7 and 8)
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ENGLISH	CHINESE
<p>divisor The number that divides the dividend</p> <p style="text-align: center;"> $\begin{array}{r} \text{---} \\ 3 \overline{)18} \end{array}$ The divisor is 3. </p>	除数，例子中的3 是除数
<p>document - A file, or a group of information, that is stored on a disk or in a computer's hard drive, used by a computer program</p>	文件
E	
<p>equally - likely outcomes that have the same chance of occurring</p>	同等的
<p>equilateral triangle - A triangle with three congruent sides</p>	等边三角形
<p>equivalent decimals - Decimals that name the same number or amount</p> <p style="text-align: center;"><i>Example:</i> $0.5 = 0.50 = 0.500$</p>	同值小数
<p>equivalent fractions - Fractions that name the same number or amount</p>	同值分数
<p>equivalent ratios - Ratios that name the same comparisons</p>	同值比
<p>estimate - An answer close to the exact answer, found by rounding, using front-end digits, or by using compatible numbers</p>	估计
<p>expanded form - A way to write numbers by showing the value of each digit</p> <p style="text-align: center;"><i>Example:</i> $635 = 600 + 30 + 5$ or $(6 \times 100) + (3 \times 10) + (5 \times 1)$ or $(6 \times 10^2) + (3 \times 10^1) + (5 \times 10^0)$</p>	延展式
<p>exponent - A number that tells how many times the base is used as a factor</p> <p style="text-align: center;"><i>Example:</i> $10^3 = 10 \times 10 \times 10$</p>	幂，例式中的3 代表10 要自乘3 次
F	
<p>face - A flat surface of a solid figure</p>	表面
<p>factor - A number multiplied by another number to find a product</p>	乘数
<p>field - A type of information in a data base, such as names or phone numbers</p>	资料库中的组群，例如：名字组或电话号码组
<p>file - The electronic form of information stored together as a group on a disk or on a computer's hard drive</p>	文件夹
<p>flip - A move that involves turning a figure across a line of symmetry</p> <p style="text-align: center;"><i>Example:</i></p> <div style="text-align: center;">  </div>	反映,对应

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Math (Grades 7 and 8)
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ENGLISH	CHINESE
fluid ounce (fl oz) - A customary unit for measuring capacity	液安-英制液容单位
foot (ft) - A unit of length in the customary system 12 inches = 1 foot	英尺
formula -In a spreadsheet, a set of instructions that tells the computer to calculate a total or to perform a task	公式
fraction A number that names part of a whole or part of a group <i>Example:</i> 	分数
frequency table - A chart used to show how many times each item of data occurs	频率图
front-end estimation - A method using only the front-end digits to estimate sums, differences, products, and quotients	舍去法
G	
gallon (gal) - A customary unit for measuring capacity 4 quarts = 1 gallon	加仑-英制液容单位
gram (g) - A unit of mass in the metric system 1,000 milligrams = 1 gram	克- 公制重量单位
graphics - Art or designs made using the computer	电脑制图
greatest common factor (GCF) The greatest factor a pair of numbers have in common <i>Example:</i> 6 is the GCF of 18 and 30.	最大公约数
H	
horizontal axis - The bottom line of a graph	横坐标
I	
inch (in.) - A unit of length in the customary system <i>Example:</i> 1 inch 	英寸
intersecting lines - Two lines that cross at exactly one point <i>Example:</i> 	相交线
interval - The number of units between equally spaced lines on a graph	区间
inverse operations - Opposite operations that undo each other; addition and subtraction or multiplication and division are inverse operations	逆运算

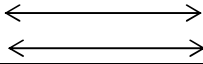
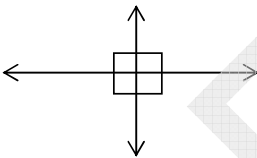
Supplementary Social Studies Glossaries
Math (Grades 7 and 8)
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ENGLISH	CHINESE
<p>isosceles triangle - A triangle with at least two congruent sides and two congruent angles <i>Example:</i></p> 	等腰三角形
K	
<p>kilogram (kg) - A unit of mass in the metric system 1,000 grams = 1 kilogram</p>	公斤：公制重量单位
<p>kilometer (km) - A unit of length in the metric system 1,000 meters = 1 kilometer</p>	公里：公制长度单位
L	
<p>least common denominator (LCD) – The smallest common multiple of two or more denominators <i>Example: The LCD for $\frac{1}{4}$ and $\frac{5}{6}$ is 12</i></p>	最小公分母
<p>least common multiple (LCM) - The smallest number other than zero that is a multiple of two or more given numbers <i>Example: The LCM of 6 and 9 is 18.</i></p>	最小公倍数
<p>like fractions - Fractions that have a common denominator <i>Example: $\frac{2}{5}$ and $\frac{3}{5}$</i></p>	同分母分数
<p>line – a straight path extending in both directions with no endpoints. <i>Example:</i></p>  <p style="text-align: center;"><i>Read: line MN</i></p>	直线
<p>line graph - A graph in which lines are used to show how something changes over a period of time</p>	线图
<p>line of symmetry - A line that divides a figure so that the two parts of the figure are congruent</p>	对称线
<p>line segment - Part of a line with two endpoints <i>Example:</i></p>  <p style="text-align: center;"><i>Read: line segment MN</i></p>	线段

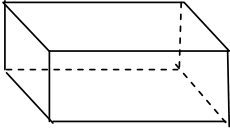
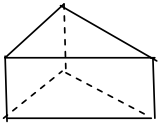
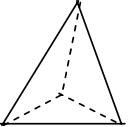
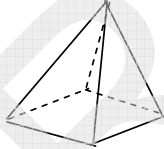
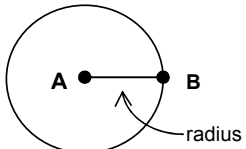
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ENGLISH	CHINESE
liter (L) - A unit for measuring capacity in the metric system 1,000 milliliters = 1 liter	公升
LOGO - A computer language used primarily to draw graphic designs	主要用于绘图的电脑程式语言。
M	
mass - The measure of the quantity of matter of an object	质量
mean - The number found by dividing the sum of a set of numbers by the number of addends, or the average	平均数
median - The middle number in an ordered series of numbers <i>Example:</i> The median of 1, 3, 4, 6, 7 is 4.	中位数:按照数值大小排列的数列中,最中间的数字。
memory keys - Keys on a calculator that store and recall numbers from memory	计算机上的记忆键
meter (m) - A unit of length in the metric system 100 centimeters = 1 meter	米/公尺-公制长度单位: 100厘米 /公分等于1 米/公尺
metric system - A measurement system that uses meter as the measure of length; liter as the measure of capacity; gram as the measure of mass; and degree Celsius as the unit of temperature	公制:例如:丈量长度的公尺,公分。丈量重量的公斤,公克,丈量容积的公升,毫升。和丈量温度的摄氏度数。
mile (mi) - A unit of length in the customary system 5,280 feet = 1 mile	英里-英制长度单位:一英里等于5,280英尺。
milliliter (mL) - A unit for measuring capacity in the metric system 0.001 L = 1 milliliter	毫升:一毫升等于千分之一公升。
mixed number - A number that is made up of a whole number and a fraction or a whole number and a decimal <i>Example:</i> $2\frac{1}{2}$, or 2.5	带分数:由整数和分数或小数组成的混合数
mode - The number that occurs most often in a list of data <i>Example:</i> The mode of 1, 3, 4, 4, 6 is 4.	众数:在一个数列中,出现次数最多的数字。
multiple - A number that is the product of a given number and another whole <i>Example:</i> Multiples of 3 are 3, 6, 9, 12, 15	乘积,倍数
N	
number line - A line with equally spaced points named by numbers	数轴
O	
obtuse angle - An angle that has a measure greater than 90° and less than 180°	钝角
open figure - A set of points that does not completely enclose a region in the same plane	开图形

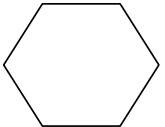
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Math (Grades 7 and 8)
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ENGLISH	CHINESE
ordered pair - A pair of numbers used to locate a point on a grid; the first, number tells the left-right position and the second number tells the up-down position	有序偶
ounce (oz) - A unit for measuring weight in the customary system	盎司-英制重量单位
outcome - A possible result in a probability experiment	结果
P	
Parallel lines – Lines in a plane that stay exactly the same distance apart <i>Example:</i> 	平行线
parallelogram - A quadrilateral with opposite sides parallel and congruent	平行四边形
partial products - Products that are added together in a multiplication problem to get the final product	半乘积
percent - A ratio of some number to 100	百分比
perimeter The distance around a figure	周长
period - Each group of three digits in a number <i>Example:</i> 3,420,071 The periods are 420 and 071.	分节号
perpendicular lines - Two lines that intersect to form right angles <i>Example:</i> 	垂直线
pi (π) - The ratio of the circumference of a circle to the length of its diameter $\pi \approx 3.14$	
pictograph - A graph that uses pictures to show and compare information	象形图
pint (pt) - A customary unit for measuring capacity 2 cups = 1 pint	品脱- 英制液容单位，2杯= 1品脱
plane - A flat surface that extends without end in all directions	平面
plane figure - A closed figure that lies on a flat surface	平面图形
point - An exact location in space	点
pound (lb) - A customary unit for measuring weight 16 ounces= 1 pound	磅-英制重量单位
prime numbers - Numbers that have only two factors, 1 and the number itself <i>Examples:</i> 5, 7, 11, 13, 17, and 19 are all prime numbers.	素数,质数:没有其他因数，只能被1 和自己除尽的数字。

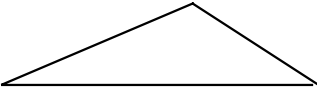
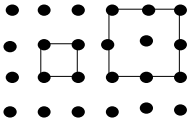
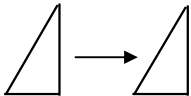
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Math (Grades 7 and 8)
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ENGLISH	CHINESE
<p>prism - A solid figure whose ends are congruent, parallel polygons, and whose sides are rectangles <i>Examples:</i></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Rectangular Prism</p> </div> <div style="text-align: center;">  <p>Triangular Prism</p> </div> </div>	棱柱
<p>probability - The chance of an event happening probability</p>	概率
<p>procedure - A set of commands that directs the computer what to do</p>	程式
<p>Property of One for Multiplication - The property which states that the product of any number and 1 is the number <i>Example:</i> $5 \times 1 = 5$ $16 \times 1 = 16$</p>	一的乘法性质
<p>pyramid - A solid figure with a base that is a polygon and three or more faces that are triangles with a common vertex <i>Examples:</i></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Triangle Pyramid</p> </div> <div style="text-align: center;">  <p>Rectangular Pyramid</p> </div> </div>	棱锥
Q	
<p>quadrilateral - A four-sided polygon</p>	四边形
<p>quart (qt) - A customary unit for measuring capacity 2 pints = 1 quart</p>	夸特-英制液容单位
<p>quotient The answer in a division problem <i>Example:</i> $\begin{array}{r} 9 \\ 3 \overline{)27} \end{array}$ The quotient is 9.</p>	商.在除法问题中, 27 除以3, 商数是9。
R	
<p>radius - A line segment with one endpoint at the center of a circle and the other endpoint on the circle <i>Example:</i></p> <div style="text-align: center;">  </div>	半径
<p>random - A method of selection in which each person or item in a group has an equal chance of being chosen</p>	随机的


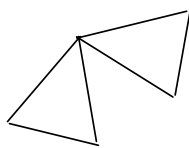
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ENGLISH	CHINESE
<p>range - A method used in estimation in which a number is rounded high and low; the difference between the greatest and least number in a set of data</p>	范围
<p>ratio - A comparison of two numbers</p>	比
<p>ray - A part of a line that begins at one endpoint and extends forever in only one direction</p> <p><i>Example:</i></p>  <p style="margin-left: 40px;">→ AB Read: ray AB</p>	射线
<p>record - In a data base information for one particular person or item</p> <p><i>Example:</i> Joe Rossi, 950 Paces Circle, Jackson, MS (555) 555 -1200</p>	纪录
<p>rectangle - A parallelogram with four right angle</p>	长方形
<p>rectangular prism - A solid figure in which the parallel base are rectangles</p>	方形棱柱
<p>recursion - The ability of a procedure to repeat a set of commands by calling itself</p>	递归，循环：按照某一包含有限步数的法则或公式对一个或多个前面的元素进行运算的方法
<p>regular polygon - A polygon with sides congruent and all angles congruent</p> <p><i>Example:</i></p> 	正多边形
<p>rhombus - A parallelogram with four congruent sides whose opposite angles are congruent</p> <p><i>Example</i></p> 	菱形
<p>right angle - An angle that forms a square corner and measures 90°</p>	直角
<p>right triangle - A triangle with one right angle</p> <p><i>Example:</i></p> 	直角三角形

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ENGLISH	CHINESE
<p>round - To express a number to the nearest thousandth, hundredth, tenth, one, ten, hundred, thousand, and so on</p> <p><i>Examples:</i> 473 rounded to the nearest hundred is 500. 37.85 rounded to the nearest tenth is 37.9.</p>	舍入法
S	
<p>sample group - A number of people or items chosen to be representative of a larger group</p>	样本组
<p>scale - The unit length on a line compared with the number it stands for; a ratio that compares the distance on a map with an actual distance</p>	比例尺：地图上常用以推测实际距离。
<p>scalene triangle - A triangle with three unequal angles and whose sides are not congruent</p> <p><i>Example:</i></p> 	任意三角形:三角，三边的度量都不均等。
<p>short division - A short form of division where you multiply and subtract mentally and write the remainders in the dividend</p>	短除法:部分计算由心算完成的简短除式。
<p>similar figures - Figures that have the same shape but may not have the same size</p> <p><i>Example:</i></p> 	相似图形
<p>simplest form - A fraction that has 1 as the greatest common factor of the numerator and denominator</p>	分数最简式:分子和分母没有共同的因数。
<p>slide - The movement of a geometric figure to a new position without turning or flipping it</p> <p><i>Example:</i></p> 	平移
<p>sorting - A method by which the computer organizes or orders information</p>	分类
<p>spreadsheet - A computer program that organizes information in rows and columns and makes calculations with numbers and formulas</p>	电子图表
<p>square - A rectangle with four right angles and four congruent sides</p>	正方形
<p>standard form - A way to write numbers using the digits 0-9, with each digit having a place value</p>	标准式
<p>survey - To ask questions to find the most frequent choice of a group</p>	问卷

Supplementary Social Studies Glossaries
Math (Grades 7 and 8)
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T	
Tablespoon (tbsp) – A customary unit for measuring capacity 3 teaspoons = 1 tablespoon	汤匙
Tessellation – an arrangement of geometric figures that cover a flat surface without leaving gaps and without overlapping 2,000 pounds = 1 ton	拼图
Trapezoid – A quadrilateral with only one pair of sides parallel <i>Example:</i> 	梯形: 四边形中，有一对平行边。
Tree diagram – An organized list <i>Example:</i> <pre> graph LR A[coin toss] --> B[heads] A --> C[tails] </pre>	树形图
triangle - A polygon with three line segments	三角形
turn - A move that involves rotating a figure around a point <i>Example:</i> 	旋转
turtle - The triangle in the computer language LOGO that is directed to draw graphic designs	
U	
unlike fractions - Fractions that have different denominators <i>Example:</i> $\frac{3}{4}$ and $\frac{2}{3}$	异分母分数
V	
variable - In LOGO, a name by a colon (:) which substitutes a numeric value	变量
Venn diagram - A diagram that uses geometric shapes to show relationships	相交圆形图，韦恩图
vertex - The point at which two rays of an angle, two sides of a polygon, or three or more edges of a solid figure meet	对顶角
volume - The measure of space inside a solid figure	体积

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W	
word processor - A computer program used to write text, such as letters, reports, word problems, or memos	文档
Y	
yard (yd) - A unit of length in the customary system 3 feet = 1 yard	码-英制长度单位,三英尺等于一码。
Z	
Zero Property for Addition - The property which states that the sum of zero and any number is that number <i>Examples:</i> $9+0=9$ $0+12=12$	零的加法法则:任何数与零相加都等于自数。
Zero Property for Multiplication – The property which states that the product of zero and any number is zero <i>Examples:</i> $13 \times 0 = 0$ $0 \times 7=0$	零的乘法法则:任何数与零相乘都等于零。