
（̧ఇ＠ฝ® 5
जの解
Vocøbひી＠ロサ
Words
Please note that there
are no vocabulary words
for：
Topics 5，6，7，13，

## digits

The symbols used to show numbers:
$0,1,2,3,4,5,6,7,8,9$

## value

## value

The number a digit represents, which is determined by the position of the digit

## standard form

A common way of writing a number with commas separating groups of three digits starting from the right

Example: 3,458


## Commutative Property of Addition

## Associative Property of Addition

## Commutative Property of Addition

The order of addends can be changed and the sum remains the same.

Example: $3+7=7+3$

## Associative Property of

 AdditionAddends can be regrouped and the sum remains the same.

Example: $1+(3+5)=(1+3)+5$

## compatible numbers

## compatible numbers

$\qquad$


# Commutative Property of Multiplication 

# Associative Property of Multiplication 

## Commutative Property of Multiplication

The order of factors can be changed and the product remains the same.
Example: $3 \times 5=5 \times 3$

## Associative Property of Multiplication

Factors can be regrouped and the product remains the same. Example: $2 \times(4 \times 10)=(2 \times 4) \times 10$

## Identity Property of Multiplication

The product of any number and 1 is that number.

Examples:
$567 \times 1=567$
$56,986 \times 1=56,986$
$\qquad$


## multiple

## multiple

The product of a given whole number and another whole number
Multiples of 4

answer boxes
16
36

## underestimate

An estimated sum or difference that is less than the actual answer

## underestimate (under-estimate)

overestimate
over-estimate


## squared

A name for a number to the second power

## squared

## Distributive Property

## cubed

A name for a number to the third power

$$
2^{3}=2 \times 2 \times 2=8
$$

## Distributive Property

Multiplying a sum (or difference)
by a number is the same as...

## $$
3 \times 3=3^{2}
$$ <br> <br> $3 \times 3=3^{2}$

 <br> <br> $3 \times 3=3^{2}$}multiplying each number in the sum (or difference) by that number and...
adding the products.
Example: $3 \times(10+4)=$ $(3 \times 10)+(3 \times 4)$

|  | partial products |
| :---: | :---: |
| partial | Products found by breaking one |
| of two factors into ones, tens, |  |
| products | nultreds, and so on, and then |
| other factor each of these by the |  |


| dividend |  |
| :---: | :---: |
| divisor | divisor <br> The number used to divide another number |
| quotient | quotient <br> The answer to a division problem |




## equivalent fractions

## equivalent fractions

Fractions that have different numerators and denominators but name the same amount


## simplest form

A fraction in which the greatest common factor of the numerator and denominator is 1

To express $\frac{4}{8}$ in simplest form.


## benchmark fraction

## benchmark fraction

Common fractions used for estimating, such as:

$$
\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \text { and } \frac{3}{4}
$$



Name


$\left.\begin{array}{|c|c|c|}\hline & \text { face } \\ \text { face } & \text { A flat polygon-shaped } \\ \text { surface of a polyhedron }\end{array}\right]$ face
$\qquad$


Name



Name


|  | Polygon |
| :---: | :---: | :---: |
| polygon | A closed plane figure made up of |
| line segments |  |

Name

## quadrilateral

A polygon with 4 sides

## quadrilateral

pentagon

## hexagon

A polygon with 6 sides


$\qquad$

|  | Scalene |
| :---: | :---: | :---: |
| scalene |  |
| triangle | triangle |
| right | Atriangle which no sides have |
| the same length |  |

Name $\qquad$

## obtuse triangle

A triangle in which one angle is an obtuse angle

## obtuse triangle


parallelogram
A quadrilateral with both pairs of opposite sides
parallelogram

## trapezoid

A quadrilateral that has
exactly one pair of parallel sides

## trapezoid

Name

| rectangle | rectangle |  |
| :---: | :---: | :---: |
| A parallelogram with |  |  |
| four right angles |  |  |
| rhombus |  |  |
| SQuare |  |  |

Name


## coordinate grid

## coordinate grid

## A grid that makes it

 easy to locate points on a plane by using an ordered pair of numbers.

## $x$-axis

The horizontal axis in a graph or coordinate grid.


## $y$-axis

The vertical axis in a graph or coordinate grid.


## origin

The point at which the $x$-axis and the $y$-axis of a coordinate plane intersect. The origin is represented by the ordered pair $(0,0)$.


## ordered pair

A pair of numbers used to locate a point on a coordinate grid.


## $x$-coordinate

The first number in an ordered pair which names the distance from the origin along the $x$-axis.

## x-coordinate

Point A $(2,6)$

* Move 2 units right. - Move 6 units up.

Point B $(4,3)$

* Move 4 units right. - Move 3 units up.

Name


