

Analogies, Name Game and \$10,000 Pyramid

Three Vocabulary Games For in Math

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Use Analogies

Kindergarten and Grade 1 and Grade 2

Twenty is to 2 tens as thirty is to 3 tens

One hand is to 5 as two hands is to 10.

Find the total is to add as find the difference is to subtract.

Meter is to kilometer as gram is to kilogram.

The symbol $>$ is to greater than as the symbol $<$ is to less than.

Above is to below as in front of is to behind.

Rectangle is to dollar bill as circle is to coin

Triangle is to 3 as rectangle is to 4

Kindergarten and Grade 1 and Grade 2

Put together is to add as take apart is to subtract.

8 + 3 is to 3 + 8 as 4 + 7 is to 7 + 4.

Find the total is to add as find the difference is to subtract.

Meter is to kilometer as gram is to kilogram.

27 is to 20 + 7 as 38 is to 30 + 8

53 is to 43 as 24 is to 14

6:00 is to dinner time as 12:00 is to lunch time

2:00 is to 2:30 as 7:00 is to 7:30

Kindergarten and Grade 1 and Grade 2

Nickel is to 5 cents as dime is to ten cents.

Quarter is to 25¢ as penny is to 1¢.

Penny is to nickel as nickel is to quarter.

27¢ is to quarter and 2 pennies as 12¢ is to dime and 2 pennies.

$\frac{1}{2}$ is to one half as $\frac{1}{4}$ is to one fourth

The letter “O” is to closed shape as the letter “G” is to open shape

2 dimensional is to square as 3 dimensional is to cube

Square is to rectangle as poodle is to dog.

Grade 2

21 is to odd as 14 is to even.

14 is to $7 + 7$ as 18 is to $9 + 9$.

327 is to $300 + 20 + 7$ as 483 is to $400 + 80 + 3$

2 dimes and 3 pennies is to 23¢ as 2 quarters and 2 dimes is to 35¢.

Ruler is to inches as football field is to yards

10 minutes before 7 is to 6:50 as 10 minutes before 9 is to 8:50

7 days is to week as 365 days is to year

12 months is to year as 24 hours is to day.

Grade 2-3

Quadrilateral is to 4 as pentagon is to 5

Triangle is to quadrilateral as pentagon is to hexagon.

Square is to 4 equal sides as cube is to 12 equal edges.

2 dimes and 3 pennies is to 23¢ as 2 quarters and 2 dimes is to 70¢.

3 people is to *slicing a pizza into thirds* as 4 people is to *slicing a pizza into fourths*.

Bar is to bar-graph as picture is to picture graph

Up and down is to vertical as side to side is to horizontal

Centimeter is to inch as meter is to yard.

MIXED GRADES

Circle is to sphere as rectangle is to prism.

Coordinate grid is to math class as latitude and longitude are to geography class

Perimeter is to inches, as area is to square inches.

Meter is to kilometer as gram is to kilogram.

Meter is to yard as liter is to quart.

Surface area is to square centimeters as volume is to cubic centimeters.

3 is to 4 as 75 is to 100.

MIXED GRADES

Nickel is to dime as radius is to diameter.

Positive is to negative as degrees above zero is to degrees below zero.

Cup is to pint as pint is to quart.

Horizontal line is to 0 slope as vertical line is to undefined slope.

3 is to 18 as 5 is to 30.

Quarter is to $\frac{1}{4}$ as dime is to $\frac{1}{10}$.

Positive exponents are to really large numbers as negative exponents are to really small numbers.

MIXED GRADES

Square is to pyramid as circle is to cone.

15 minutes is to right angle as 20 minutes is to obtuse angle.

7 is to 49 as 8 is to 64.

Tiles on a floor is to area as fence is to perimeter.

30, 60, 90 is to scalene triangle as 45 45 90 is to isosceles triangle.

MIXED GRADES

Slide is to translate as flip is to reflect.

$\frac{1}{2}bh$ is to area of triangle as πr^2 is to area of a circle.

144 is to 12 as 49 is to 7.

180 degrees is to triangle as 360 is to quadrilateral.

$\sqrt{5}$ is to 2.23 as π is to 3.14

MIXED GRADES

In $y=mx + b$ “m” is to slope as “b” is to Y-iintercept.

$6 * 34$ is to $6 * (30 + 4)$ as $8 * 56$ is to $8(50 + 6)$

$6 * 34$ is to $(6 * 30) + (6 * 4)$ as $8 * 56$ is to $(8 * 50) + (8 * 6)$

Altitude is triangle as slant height is to face of pyramid

Line graph is to change over time as circle graph is to parts of a whole.

Square is to rectangle as poodle is to dog.

MIXED GRADES Biology

The study of matter, energy, and motion is to physics as study of living things is to biology.

The resting and rebuilding phase is to weight lifting as interphase is to cell division.

Bricks are to wall as amino acids are to proteins.

Blue eyes in humans is to recessive trait as brown eyes in humans is to dominant trait.

Hawk is to bunny as bat is to mosquito.

Screen is to door cell membrane is to animal cell.

MIXED GRADES Biology in progress

Consume is to eat as decompose is to break down.

Acid is to base as hypotonic is to hypertonic.

The Name Game

Geometry Words

Cube
Symmetry
Vertex
Diameter
Coordinate grid
Congruent
Ordered pairs

Statistics /Probability

Spinner
Stem and leaf
Line plot
Mode
Median
Range
Tree diagram

Number Sense/ Operations

Tenths place
Greater than
Number line
 $\frac{1}{3}$
Negative integers
Venn diagram
Product

Measurement

Area
Dimensions
Liter
Radius
Square inches
Perimeter
Volume

10,000 Pyramid

Things a
circle would
say

Days in a
week

Numbers
that add up
to 10

even
numbers

coins

shapes

Ways to say
12:30

Place value
names

Things you
can graph

Things
equal to a
dollar

Things
equal to 1
yard

Parts of a
calendar

Things a
cone would
say

Months with
30 days

Measuring
units for
weight

Parts of a
clock

Ways to make
50 cents

Parts of a
triangle

Things a
trapezoid
would say

Kinds of
quadrilaterals

Things
you can
measure

Odd
numbers

Things that
equal = $1/2$

Things that
are parallel

Things that
are 50%
chance

Things a
rectangle
would say

Math
formulas

Metric Units

Kinds of
angles

Kinds of
graphs

Things a
sphere
would say

Kinds of
polygons

Measuring
units for
liquids

Prime
numbers

Words that
mean
subtract

Multiples
of 7

Congruent angles
formed when
parallel lines are
cut by a
transversal

Things
Pythagoras
might say

Ways to prove
triangles are
congruent

Kinds of
triangles

Ways to
write a
ratio

Important
mathematical
properties

Irrational
numbers

Situations
when you use
percents

Perfect
squares

Prime
Numbers

Kinds of
Quadrilaterals

Parts of a
coordinate
graph

Numbers
written in
scientific
notation

Real life situations
involving negative
numbers

Things that
= 50%

Parts of a
circle

Perfect
squares/
square
numbers

Things
that are
symmetric

Ways to find
the slope of
a line

Real life
situations that
involve
probability

Ways to know
if triangles are
similar

Parts of
PEMDAS/or
der of
operations

Things
that are
perpendicular

Angles that
are always
congruent

BIOLOGY

Parts of DNA
molecule

Stages of
mitosis

Ways to
classify
organisms

Planets

Parts of
a cell

Famous
scientists

CHEMISTRY

Ways the
periodic table
is organized

Everyday
chemical
reactions

Examples of
scientific
notation

Elements

Compounds

Metals

PHYSICS

Things Albert
Einstein
might say

Examples
of friction

Newton's
laws

Measurement
tools in
physics

Kinds of
energy

Common
physics
formulas