

Can you...

8th Grade Content Expectations

... make the
connection between
area/volume of
square/cube and its
side length?

1.1,2.7

... write the
unit rate?

1.3, 3.5

... determine if a
graph is a
function using
the vertical line
test?

... represent a linear
function using
tables, graphs, and
equations?

... write a linear
equation if given a
table?

... write a linear
equation if given
a graph?

... draw the
graph of a linear
equation?

4.2,4.3

... draw the
graph given the
table of a linear
equation?

... make a table if
given the graph
of a linear
equation?

... complete a
table if given a
linear equation?

... define and
describe rational
and irrational
numbers?

2.1,2.7

... place rational
and irrational
numbers on a
number line?

2.1,2.7

... convert
common
fractions to
decimals?

2.1



This is where we currently are in our curriculum.

... calculate percent
increase and
decrease two
different ways?

... solve problems
involving percent
change?

... solve and graph
linear inequalities
with one variable?

6.1-6.4

... solve and graph
linear inequalities
with two variables?

... solve linear
systems by
graphing?

7.1

... solve linear
systems using
substitution?

... solve linear
systems by
combining and/or
eliminating?

7.3, 7.4

... solve linear
systems of
inequalities?

7.6

... calculate
weighted averages,
such as grades?

Teacher
examples

... interpret zero
and negative
exponents?

... represent an
exponential
function using
tables, graphs, and
equations?

... write an
exponential
equation if given
a table?

8.5/8.6

... write an
exponential
equation if given
the graph?

8.5/8.6

... draw the
graph of an
exponential
equation?

8.5/8.6

... draw the
graph from a
table of an
exponential
equation?

... complete a
table if given an
exponential
equation?

8.5/8.6

... make a table if
given the graph
of an exponential
function?

... calculate
compound
interest?

8.5

... calculate
multiple discounts?

8.6

... recognize
patterns when
multiplying
polynomials?

9.3,9.7

... factor quadratic
expressions?

9.4,9.5

... solve simple
quadratic equations
by factoring?

9.4,9.5

... represent a
quadratic function
using tables,
graphs, and
equations?

... graph/solve a
quadratic equation
given in standard
form?

10.1-10.3

... solve simple
quadratic equations
by taking square
roots?

10.4

... solve simple
quadratic equations
by using the
quadratic formula?

10.6

... graph/solve a
quadratic equation
given in vertex
form?

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... solve applied
problems involving
quadratic
functions?

Ch. 10

... represent a
square root
function using
tables, graphs, and
equations?

Ch. 11.1

... represent a
inverse variation
using tables,
graphs, and
equations?

Ch. 12.1

... represent a cubic
functions using
tables, graphs, and
equations?

**teacher's
examples**

... calculate
probability using a
list or tree
diagram?



13.1

... find the total
outcomes possible
of independent and
dependent events?



13.4

... find and compare
theoretical
probability to
experimental
probability of an
event?



Ch. 13

... prove the
Pythagorean
Theorem
and its converse?



11.4

...find the area and
perimeter of
complex figures?



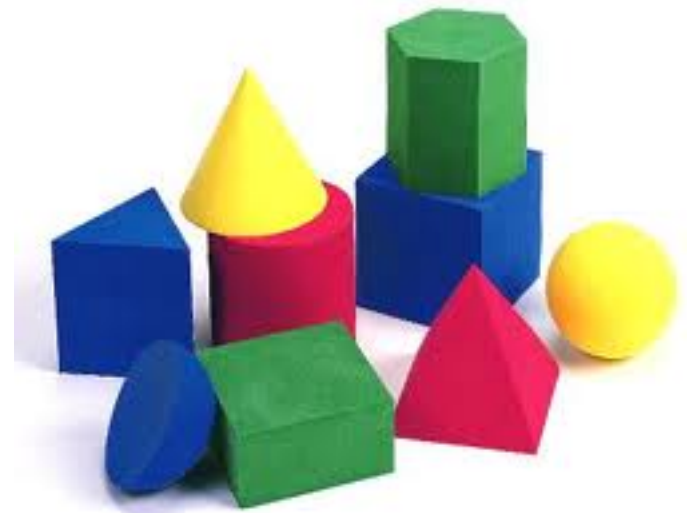
**Skills
Review**

... use the
circumference and
area of a circle to
solve problems?



**Skills
Review**

... find the surface
area of 3-D
figures?



Such as - prisms, cones, spheres,
pyramids, and cylinders.

**Skills
Review**

... sketch a variety of two-dimensional representations of a three-dimensional object?



**Skills
Review**

... apply the volume formulas for prisms, pyramids, and spheres?



**Skills
Review**

... dilate a polygon
from a point in the
plane?



**Skills
Review**

... use rotational and
reflective
symmetries of two-
dimensional
shapes?



**Skills
Review**