



## Grade 7 Mathematics, Quarter One

### Number Sense 1.0

*Students know the properties of, and compute with, rational numbers expressed in a variety of forms:*

Designing Sunglasses, #4012.....	Movie Guide #17
Communication at the Speed of Light, #5003 .....	Movie Guide #2
The New York City Subway, #5005 .....	Movie Guide #3

## Grade 7 Mathematics, Quarter Two

### Number Sense 1.0

*Students know the properties of, and compute with, rational numbers expressed in a variety of forms:*

Designing Sunglasses, #4012.....	Movie Guide #17
Communication at the Speed of Light, #5003 .....	Movie Guide #2
The New York City Subway, #5005 .....	Movie Guide #3

## Grade 7 Mathematics, Quarter Three

### Number Sense 1.0

*Students know the properties of, and compute with, rational numbers expressed in a variety of forms:*

Designing Sunglasses, #4012.....	Movie Guide #17
Communication at the Speed of Light, #5003 .....	Movie Guide #2
The New York City Subway, #5005 .....	Movie Guide #3



## Grade 7 Mathematics, Quarter Four

### Algebra and Functions 3.0

*Students graph and interpret linear and some nonlinear functions:*

Undersea Treasure, #3003 .....Movie Guide #4

### Measurement and Geometry 1.0

*Students choose appropriate units of measure and use ratios to convert within and between measurement systems to solve problems:*

Making Sparks, #1019-1021 .....Movie Guide #3  
The Disappearing Call of the Wild, #2001 .....Movie Guide #1  
Growing Bugs, #2003 .....Movie Guide #5, #6  
The Lundberg Farms, #2005 .....Movie Guide #7  
The Head Chef, #4014 .....Movie Guide #2  
Popcorn, Peanuts, Hot Dogs, #5007 .....Movie Guide #2



## Grade 7 Mathematics, Quarter Four (cont.)

### Measurement and Geometry 2.0

*Students compute the perimeter, area and volume of common geometric objects and use the results to find measures of less common objects.*

*They know how perimeter, area, and volume are affected by changes of scale:*

Flights of Imagination, #1003.....	Movie Guide #7
Inventing with Polygons, #1007 .....	Movie Guide #1, #2
Geometry and Structural Engineering, #1009 .....	Movie Guide #2, #7
Bicycle Design, #1012.....	Movie Guide #8
The Bose Speaker, #1017 .....	Movie Guide #2
The Lundberg Farms, #2005.....	Movie Guide #10, #11
Bats, #2007 .....	Movie Guide #6
Voyage of the Ventana 1 & 2, #2011-2012.....	Movie Guide #6
Models for Movies, #4005.....	Movie Guide #1
The ABC's of Architecture, #4010.....	Movie Guide #4, #5
Designing Sunglasses, #4012.....	Movie Guide #8
Designing Toy Cars, #4013 .....	Movie Guide #1
Float Designer, #4016 .....	Movie Guide #3
Water Supply, #5001 .....	Movie Guide #4
Tunnel Number 3, #5002.....	Movie Guide #2, #3, #4, #9
The New York City Subway, #5005 .....	Movie Guide #4
Water Tanks, #5006 .....	Movie Guide #3, #4, #5, #7, #8, #10

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