

Grade 9 MAT1L Ontario Educational Resources Bank (OERB) Activities

Money Sense

Activity	Description
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Making Change

There is usually more than one selection of bills and coins to achieve the same amount. Select a second set of bills and coins to select the same amount. Select Done when you are finished.

Select the picture that represents:

Amount selected:

Resource ID: ELO1150260

Practise making change from various amounts of money by using a counting up strategy in a cash register simulation activity.

Money Sense: Rounding

Matching

Drag the answer from column 2 to match the stated accuracy in column 1. Round \$236.74 to ...

Column 1	Column 2
<input type="checkbox"/> The nearest 10 cents	A) \$236.80
<input type="checkbox"/> The nearest \$1	B) \$200.00
<input type="checkbox"/> The nearest \$10	C) \$300.00
<input type="checkbox"/> The nearest \$100	D) \$236.70
	E) \$237.00
	F) \$236.00
	G) \$240.00
	H) \$230.00

Correct - Click to continue

Resource ID: ELO1150230

Practise rounding money to different place values by completing a matching exercise.

Measurement

Activity	Description
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Metric and Imperial Systems

Matching
Match the unit to the situation for which it would be used to measure.

Unit	Situation
<input type="checkbox"/> cm	A) a person's mass
<input type="checkbox"/> L	B) the capacity of a pop can
<input type="checkbox"/> kg	C) the mass of an envelope
<input type="checkbox"/> g	D) the width of a desk
<input type="checkbox"/> m	E) water to fill a bathtub
<input type="checkbox"/> mL	F) length of a room

Congratulations, that is correct - Click to continue

Resource ID: ELO1150290

Practise measurement concepts by matching situations with an appropriate type of measurement and unit of measurement, matching units to their abbreviations, estimating measures and converting between units of measure.

Movable Ruler

What is the width(diameter) of the ball, in cm?

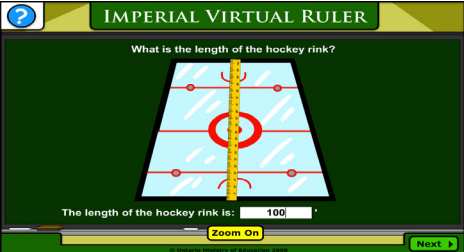
The width(diameter) of the ball is: cm

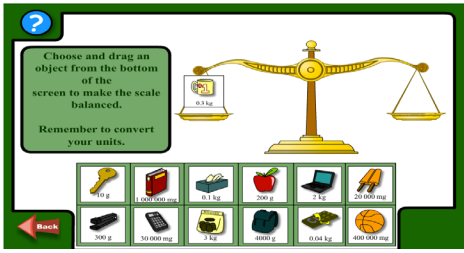
Resource ID: ELO1142710

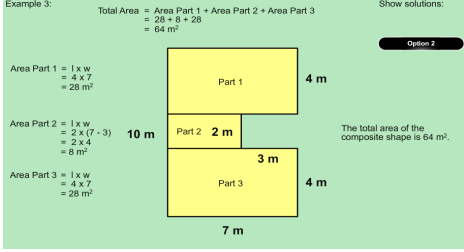
Practise measuring the metric length of different objects by using a virtual ruler.

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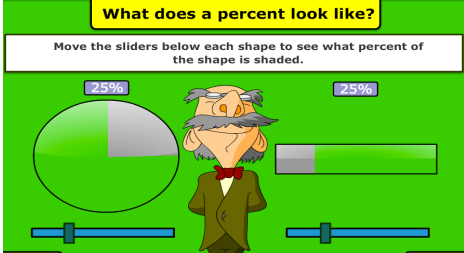
Measurement (Continued)

Activity	Description
<p>Imperial Virtual Ruler</p>  <p>Resource ID: ELO1150350</p>	<p>Practise measuring the imperial length of different objects by using a virtual ruler.</p>

<p>Balance the Scale</p>  <p>Resource ID: ELO1142720</p>	<p>Practise converting between metric units of mass by dragging objects with given masses and different units of measure onto a scale to balance it, and by completing a conversion quiz.</p>
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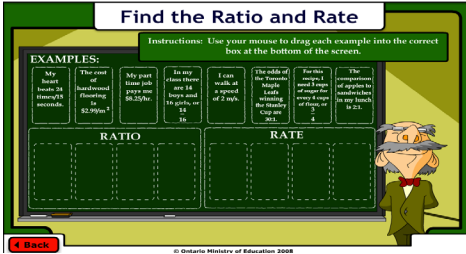
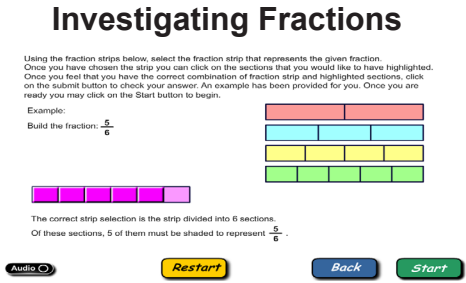
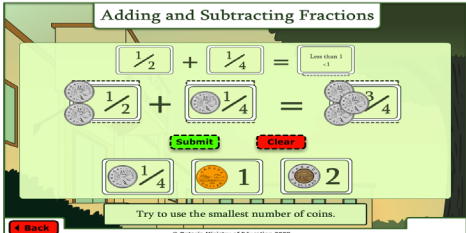
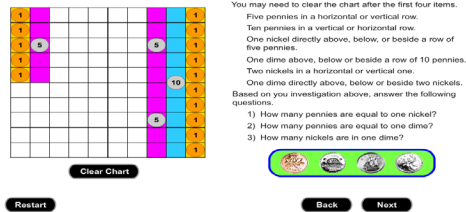
<p>Composite Shapes</p>  <p>Resource ID: ELO1150370</p>	<p>Practise calculating the area of composite shapes by solving area problems involving rectangular components after viewing illustrated demonstrations.</p>
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Proportional Reasoning


Activity	Description
<p>What Does a Percent Look Like?</p>  <p>Resource ID: ELO1142760</p>	<p>Build understanding of percent by visually exploring percentages through the shading of a circle and of a rectangle.</p>

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Proportional Reasoning (Continued)	Activity	Description
<h3 style="margin: 0;">Find the Ratio and Rate</h3>  <p style="text-align: center; margin-top: 10px;">Resource ID: ELO1142780</p>	<p>Build understanding of ratios and rates by viewing an explanation of each then identifying different real-life examples as either a ratio or a rate.</p>	
<h3 style="margin: 0;">Investigating Fractions</h3> <p style="font-size: small; margin: 5px 0;">Using the fraction strips below, select the fraction strip that represents the given fraction. Once you have chosen the strip you can click on the sections that you would like to have highlighted. Once you feel that you have the correct combination of fraction strip and highlighted sections, click on the submit button to check your answer. An example has been provided for you. Once you are ready you may click on the Start button to begin.</p> <p>Example: Build the fraction: $\frac{5}{6}$</p>  <p style="text-align: center; margin-top: 10px;">Resource ID: ELO1150400</p>	<p>Build understanding of fractions by building and identifying fractions using fraction strips, area models, and set models.</p>	
<h3 style="margin: 0;">Adding and Subtracting Fractions</h3>  <p style="text-align: center; margin-top: 10px;">Resource ID: ELO1142750</p>	<p>Build understanding of addition and subtraction of fractions by using estimation skills and various models (measuring cup, money, clock, ruler) to add or subtract fractions involving $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and 1.</p>	
<h3 style="margin: 0;">Hundreds Chart</h3>  <p style="text-align: center; margin-top: 10px;">Resource ID: ELO1150420</p>	<p>Build understanding of relationships between pennies, nickels, dimes and quarters by using a hundreds chart to make change in an efficient manner.</p>	

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Proportional Reasoning (Continued)	
Activity	Description
<p>The Better Buy</p>  <p>Resource ID: ELO1142790</p>	<p>Practise determining the better buy by calculating the unit rate of several different food items in a shopping simulation.</p>