

Grade 2 Student Resource Contents

Resource Title:

The title of the resource relates to an Overall Expectation of the Ontario Math Curriculum.

Activity List:

The learning outcome for each activity is listed here. This makes it easier for teachers to target specific concepts for teaching, diagnostic or formative assessment purposes.

COMPOSE AND DECOMPOSE SHAPES AND FIGURES	
Student Activities	
<p>Sort and classify polygons by their geometric properties</p> <ul style="list-style-type: none"> Match polygons with the same geometric properties.....1 Match polygons with the same geometric properties.....2 Close each open shape then match it to a similar shape with the same number of sides.....3 Relate the number of sides in each polygon to its representation as a number sentence.....4 Relate each shape—open or closed—to its correct number of vertices.....5 Relate each number line representation of number of vertices to its corresponding polygon.....6 	<p>Compose and decompose shapes within other shapes</p> <ul style="list-style-type: none"> Compare each composition to its decomposition, using size as a clue.....13 Relate each decomposition to its shape, using size as a clue.....14 Compare each shape to its decomposition into smaller triangles or squares....15 Compare each tally chart to its composition as a larger shape.....16 Compare the composition of each octagon to its decomposition.....17 Compare the composition of each octagon to the graph of its decomposition.....18
<p>Compose patterns, pictures and designs using two-dimensional shapes</p> <ul style="list-style-type: none"> Relate each pattern to its correct pattern extension.....7 Relate each pattern rule to its correct repeating geometric pattern.....8 Relate each object to the shapes found in its composition.....9 Use each tally chart to identify the geometric composition of each object below.....10 Relate each design composition to its geometric decomposition.....11 Relate each design decomposition to its geometric composition.....12 	<p>Sort, classify, compose and decompose three-dimensional figures according to their geometric properties</p> <ul style="list-style-type: none"> Relate each object to the three-dimensional figure it resembles.....19 Relate each figure to its differently-oriented match.....20 Compare each shape to the figure with that same shape in some of its faces.....21 Compare each group of figures to another of the same type.....22 Compare each figure to the graph of its decomposition—faces.....23 Compare each figure skeleton to its tally chart of number of vertices.....24
Teacher Section	
<p>How to Use QUICKCHECK Math and Tips for Success.....25</p>	<p>Learning Connection Activity Suggestions</p> <ul style="list-style-type: none"> Mathematical Process Expectations: Reflecting, Connecting and Communicating.....26
<p>GETTING READY TO USE QUICKCHECK You need a book and a case with six tiles.</p> <ul style="list-style-type: none"> Open the book to Activity 1. Put the empty tile case over the book. The CHECKMARK will cover the answer key. There are six squares in the top section. Place each tile on the square that has the same icon. Lift each tile to reveal the image underneath. Transfer each tile to its corresponding image below. Close the cover of the tile case. Flip the tile case up. The answer key will appear. The tile pattern should match the answer key. 	

Big Ideas:

Groups of activities are organized around key Math concepts as they relate to the expectation noted in the title.

Teacher Section:

Teachers will find helpful tips and Learning Connections Activity Suggestions at the back of each resource.

