Print pages on legal paper, landscape mode.

VSC - Mathematics

Grade PK	Grade K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Processes of Mathematics: Students demonstrate the processes of mathematics by making connections and applying reasoning to solve problems and to communicate	by making connections and applying reasoning to solve problems and to communicate	by making connections and applying reasoning to solve problems and to communicate	Standard 7.0 Processes of Mathematics: Students demonstrate the processes of mathematics by making connections and applying reasoning to solve problems and to communicate	Standard 7.0 Processes of Mathematics: Students demonstrate the processes of mathematics by making connections and applying reasoning to solve problems and to communicate	by making connections and applying reasoning to solve problems and to communicate	Standard 7.0 Processes of Mathematics: Students demonstrate the processes of mathematics by making connections and applying reasoning to solve problems and to communicate	and to communicate	by making connections and applying reasoning to solve problems and to communicate	Standard 7.0 Processes of Mathematics: Students demonstrate the processes of mathematics by making connections and applying reasoning to solve problems and to communicate
A. Problem	their findings. A . Problem Solving	their findings. A . Problem Solving	their findings. A . Problem Solving	their findings. A . Problem Solving	their findings. A . Problem Solving	their findings. A . Problem Solving	their findings. A . Problem Solving	their findings. A . Problem Solving	their findings. A . Problem Solving
1. Apply a variety of concepts, processes, and skills to solve	1. Apply a variety of concepts, processes, and skills to solve problems	1. Apply a variety of concepts, processes, and skills to solve problems	1. Apply a variety of concepts, processes, and skills to solve problems	1. Apply a variety of concepts, processes, and skills to solve problems	1. Apply a variety of concepts, processes, and skills to solve problems	1. Apply a variety of concepts, processes, and skills to solve problems	1. Apply a variety of concepts, processes, and skills to solve problems	1. Apply a variety of concepts, processes, and skills to solve problems	1. Apply a variety of concepts, processes, and skills to solve problems
a . Identify the question in the	a . Identify the question in the problem	a . Identify the question in the problem	a . Identify the question in the problem	a. Identify the question in the problem	a. Identify the question in the problem	a . Identify the question in the problem	a. Identify the question in the problem	 a. Identify the question in the problem 50. 400-Acre Wood 	 a. Identify the question in the problem 50. 400-Acre Wood
enough information is present to solve the	b. Decide if enough information is present to solve the problem	b. Decide if enough information is present to solve the problem	b. Decide if enough information is present to solve the problem	b. Decide if enough information is present to solve the problem	b. Decide if enough information is present to solve the problem	b. Decide if enough information is present to solve the problem	b. Decide if enough information is present to solve the problem	b. Decide if enough information is present to solve the problem	b. Decide if enough information is present to solve the problem
to solve a	c. Make a plan to solve a problem	c. Make a plan to solve a problem	c. Make a plan to solve a problem	c. Make a plan to solve a problem	c. Make a plan to solve a problem	c. Make a plan to solve a problem	c. Make a plan to solve a problem	 c. Make a plan to solve a problem 50. 400-Acre Wood 	 c. Make a plan to solve a problem 50. 400-Acre Wood

draw a picture, guess and check, finding a	draw a picture, guess and check, finding a	0	guess and			guess and check, finding a		d. Apply a strategy, i.e., draw a picture, guess and check, finding a pattern, writing an equation	
draw a picture, guess and check, finding a pattern, writing			guess and check, finding a			guess and check, finding a		e. Select a strategy, i.e., draw a picture, guess and check, finding a pattern, writing an equation	
f. Identify alternative ways to solve a problem	f. Identify alternative ways to solve a problem	f. Identify alternative ways to solve a problem	f. Identify alternative ways to solve a problem	f. Identify alternative ways to solve a problem	f. Identify alternative ways to solve a problem	f. Identify alternative ways to solve a problem	f. Identify alternative ways to solve a problem	problem	 f. Identify alternative ways to solve a problem 50. 400-Acre Wood 50. 400-Acre Wood; Enrichment
problem might have multiple	g. Show that a problem might have multiple solutions or no solution	g. Show that a problem might have multiple solutions or no solution	problem might have multiple	g. Show that a problem might have multiple solutions or no solution	g. Show that a problem might have multiple solutions or no solution	g. Show that a problem might have multiple solutions or no solution	g. Show that a problem might have multiple solutions or no solution	 g. Show that a problem might have multiple solutions or no solution 50. 400-Acre Wood 50. 400-Acre Wood; Enrichment 	 g. Show that a problem might have multiple solutions or no solution 50. 400-Acre Wood 50. 400-Acre Wood; Enrichment
h. Extend the solution of a problem to a new problem situation	h. Extend the solution of a problem to a new problem situation	h. Extend the solution of a problem to a new problem situation	h. Extend the solution of a problem to a new problem situation	h. Extend the solution of a problem to a new problem situation	h. Extend the solution of a problem to a new problem situation	h. Extend the solution of a problem to a new problem situation	h. Extend the solution of a problem to a new problem situation	h. Extend the solution of a problem to a new problem situation	h. Extend the solution of a problem to a new problem situation
0	B. Reasoning	B . Reasoning	B . Reasoning	B. Reasoning	B . Reasoning	B . Reasoning	B . Reasoning	B . Reasoning	B . Reasoning
1. Justify ideas	1. Justify ideas	1. Justify ideas	1. Justify ideas	1. Justify ideas	1. Justify ideas	1. Justify ideas	1. Justify ideas	1. Justify ideas	1. Justify ideas

or solutions	or solutions	or solutions	or solutions	or solutions	or solutions	or solutions	or solutions	or solutions	or solutions
with	with	with	with	with	with	with	with	with	with
mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical
concepts or	concepts or	concepts or	concepts or	concepts or	concepts or	concepts or	concepts or	concepts or	concepts or
proofs	proofs	proofs	proofs	proofs	proofs	proofs	proofs	proofs	proofs
a. Use	a. Use	a. Use	a. Use	a. Use	a. Use	a. Use	a. Use	a . Use	a. Use
inductive or	inductive or	inductive or	inductive or	inductive or	inductive or	inductive or	inductive or	inductive or	inductive or
deductive	deductive	deductive	deductive	deductive	deductive	deductive	deductive	deductive	deductive
reasoning	reasoning	reasoning	reasoning	reasoning	reasoning	reasoning	reasoning	reasoning	reasoning
b. Make or test generalizations	b. Make or test generalizations	b. Make or test generalizations	 b. Make or test generalizations 	 b. Make or test generalizations 		b. Make or test generalizations	b . Make or test generalizations	b . Make or test generalizations	b. Make or test generalizations
c. Support or refute mathematical statements or solutions	c. Support or refute mathematical statements or solutions	c. Support or refute mathematical statements or solutions	c. Support or refute mathematical statements or solutions	c. Support or refute mathematical statements or solutions	c. Support or refute mathematical statements or solutions	c. Support or refute mathematical statements or solutions	c. Support or refute mathematical statements or solutions	c. Support or refute mathematical statements or solutions	c. Support or refute mathematical statements or solutions
d. Use methods	d. Use methods	d. Use methods	of proof, i.e.,	d. Use methods					
of proof, i.e.,	of proof, i.e.,	of proof, i.e.,		of proof, i.e.,	of proof, ie.	of proof, i.e.,	of proof, i.e.,	of proof, i.e.,	of proof, i.e.,
direct, indirect,	direct, indirect,	direct, indirect,		direct, indirect,					
paragraph, or	paragraph, or	paragraph, or		paragraph, or					
contradiction	contradiction	contradiction		contradiction	contradiction	contradiction	contradiction	contradiction	contradiction
C .	C .	C .	C .	C .	C .	C .	C .	C .	C .
Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication	Communication
1. Present mathematical ideas using words, symbols, visual displays, or technology	1. Present mathematical ideas using words, symbols, visual displays, or technology	1. Present mathematical ideas using words,	1. Present mathematical ideas using words,	1. Present mathematical ideas using words, symbols, visual displays, or technology					
a. Use multiple representations to express concepts or solutions	a. Use multiple representations to express concepts or solutions			a. Use multiple representations to express concepts or solutions					
b. Express	b. Express	b. Express	b. Express	b. Express	b. Express	b. Express	b. Express	b. Express	b. Express
mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical
ideas orally	ideas orally	ideas orally	ideas orally	ideas orally	ideas orally	ideas orally	ideas orally	ideas orally	ideas orally
c. Explain	c. Explain	c. Explain	c. Explain	c. Explain	c. Explain	c. Explain	c. Explain	c. Explain	c. Explain
mathematically	mathematically	mathematically	mathematically	mathematically	mathematically	mathematically	mathematically	mathematically	mathematically

ideas in written	ideas in written	ideas in written	ideas in written	ideas in written	ideas in written	ideas in written	ideas in written	ideas in written	ideas in written
form	form	form	form	form	form	form	form	form	form
d. Express	d. Express	d. Express	d. Express	d. Express	d. Express	d. Express	d. Express	d. Express	d. Express
solutions using	solutions using	solutions using	solutions using	solutions using	solutions using	solutions using	solutions using	solutions using	solutions using
concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete	concrete
materials	materials	materials	materials	materials	materials	materials	materials	materials	materials
e. Express solutions using pictorial, tabular, graphical, or algebraic methods	e. Express solutions using pictorial, tabular, graphical, or algebraic methods	e. Express solutions using pictorial, tabular, graphical, or algebraic methods	e. Express solutions using pictorial, tabular, graphical, or algebraic methods	e. Express solutions using pictorial, tabular, graphical, or algebraic methods	e. Express solutions using pictorial, tabular, graphical, or algebraic methods	e. Express solutions using pictorial, tabular, graphical, or algebraic methods	 e. Express solutions using pictorial, tabular, graphical, or algebraic methods 4. Sounds Around 	 e. Express solutions using pictorial, tabular, graphical, or algebraic methods 4. Sounds Around 	 e. Express solutions using pictorial, tabular, graphical, or algebraic methods 4. Sounds Around
f. Explain	f. Explain	f. Explain	f. Explain	f. Explain	f. Explain	f. Explain	f. Explain	f. Explain	f. Explain
solutions in	solutions in	solutions in	solutions in	solutions in	solutions in	solutions in	solutions in	solutions in	solutions in
written form	written form	written form	written form	written form	written form	written form	written form	written form	written form
g. Ask	g. Ask	g. Ask	g. Ask	g. Ask	g. Ask	g. Ask	g. Ask	g. Ask	g. Ask
questions about	questions about	questions about	questions about	questions about	questions about	questions about	questions about	questions about	questions about
mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical
ideas or	ideas or	ideas or	ideas or	ideas or	ideas or	ideas or	ideas or	ideas or	ideas or
problems	problems	problems	problems	problems	problems	problems	problems	problems	problems
h. Give or use	h. Give or use	h. Give or use	h. Give or use	h. Give or use	h. Give or use	h. Give or use			
feedback to	feedback to	feedback to	feedback to	feedback to	feedback to	feedback to	feedback to	feedback to	feedback to
revise	revise	revise	revise	revise	revise	revise	revise	revise	revise
mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical	mathematical
thinking	thinking	thinking	thinking	thinking	thinking	thinking	thinking	thinking	thinking
D . Connections	D . Connections	D. Connections	D . Connections	D . Connections	D . Connections	D . Connections	D . Connections	D . Connections	D. Connections
1. Relate or	1. Relate or	1. Relate or	1. Relate or	1. Relate or	1. Relate or	1. Relate or	1. Relate or	1. Relate or	1. Relate or
apply	apply	apply	apply	apply	apply	apply	apply	apply	apply
mathematics	mathematics	mathematics	mathematics	mathematics	mathematics	mathematics	mathematics	mathematics	mathematics
within the	within the	within the	within the	within the	within the	within the	within the	within the	within the
discipline, to	discipline, to	discipline, to	discipline, to	discipline, to	discipline, to	discipline, to	discipline, to	discipline, to	discipline, to
other	other	other	other	other	other	other	other	other	other
disciplines, and	disciplines, and	disciplines, and	disciplines, and	disciplines, and	disciplines, and	disciplines, and	disciplines, and	disciplines, and	disciplines, and
to life	to life	to life	to life	to life	to life	to life	to life	to life	to life
a. Identify mathematical	a . Identify mathematical	a . Identify mathematical	a . Identify mathematical	a . Identify mathematical	a . Identify mathematical	a . Identify mathematical	a. Identify mathematical	a . Identify mathematical	a . Identify mathematical

other disciplinesother discipline	concepts in relationship to other mathematical concepts	concepts in relationship to other mathematical concepts	concepts in relationship to other mathematical concepts	concepts in relationship to other mathematical concepts	concepts in relationship to other mathematical concepts 50. 400-Acre Wood 50. 400-Acre Wood; Enrichment	concepts in relationship to other mathematical concepts 50. 400-Acre Wood 50. 400-Acre Wood; Enrichment	
mathematical concepts in relationship to lifemathematical concepts in relationshipmathematical concepts in relationshipmathemat	mathematical concepts in relationship to other	mathematical concepts in relationship to other	mathematical concepts in relationship to other	mathematical concepts in relationship to other	mathematical concepts in relationship to other disciplines 50. 400-Acre Wood 50. 400-Acre Wood;	mathematical concepts in relationship to other disciplines 50. 400-Acre Wood 50. 400-Acre Wood;	
	mathematical concepts in relationship to	mathematical concepts in relationship to	mathematical concepts in relationship to	mathematical concepts in relationship to	mathematical concepts in relationship to life 21. Adopt a Tree; Enrichment 38. Every Drop Counts;	mathematical concepts in relationship to life 21. Adopt a Tree; Enrichment 38. Every Drop Counts; Part A 50. 400-Acre Wood 50. 400-Acre Wood;	mathematical concepts in relationship to life 21. Adopt a Tree; Enrichment 38. Every Drop Counts; Part A 50. 400-Acre Wood 50. 400-Acre Wood;

| relationship |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| among |
| mathematical |
| concepts to |
| learn other |
| mathematical |
| concepts |
| | | | | | | | | | |