

Johnny's Airport Adventure

National Standards

Grades PK - 2 Mathematics

Source: NCTM National Standards Mathematics 2000

Lesson/Activity	Grades PK - 2 Mathematics Standards
Role-Play(6-14)	understand various meanings of addition and subtraction of whole numbers and the relationship between the two operations;
Role-Play(6-14)	understand the effects of adding and subtracting whole numbers;
Role-Play(6-14)	develop and use strategies for whole-number computations, with a focus on addition and subtraction;
Role-Play(6-14)	model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols.
Role-Play(6-14)	recognize, name, build, draw, compare, and sort two- and three-dimensional shapes;
Role-Play(6-14)	describe attributes and parts of two- and three-dimensional shapes;
Role-Play(6-14)	investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.
Role-Play(6-14)	recognize and represent shapes from different perspectives;
Role-Play(6-14)	recognize geometric shapes and structures in the environment and specify their location.
Storyboard Airport Terms (15-16)	understand various meanings of addition and subtraction of whole numbers and the relationship between the two operations;
Storyboard Airport Terms (15-16)	understand the effects of adding and subtracting whole numbers;
Storyboard Airport Terms (15-16)	develop and use strategies for whole-number computations, with a focus on addition and subtraction;
Storyboard Airport Terms (15-16)	model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols.
Storyboard Airport Terms (15-16)	recognize, name, build, draw, compare, and sort two- and three-dimensional shapes;
Storyboard Airport Terms (15-16)	describe attributes and parts of two- and three-dimensional shapes;
Storyboard Airport Terms (15-16)	investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.
Storyboard Airport Terms (15-16)	recognize and represent shapes from different perspectives;
Storyboard Airport Terms (15-16)	recognize geometric shapes and structures in the environment and specify their location.
Labeling Worksheet (17-22)	understand various meanings of addition and subtraction of whole numbers and the relationship between the two operations;
Labeling Worksheet (17-22)	understand the effects of adding and subtracting whole numbers;
Labeling Worksheet (17-22)	develop and use strategies for whole-number computations, with a focus on addition and subtraction;
Labeling Worksheet (17-22)	model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols.
Labeling Worksheet (17-22)	recognize, name, build, draw, compare, and sort two- and three-dimensional shapes;
Labeling Worksheet (17-22)	describe attributes and parts of two- and three-dimensional shapes;
Labeling Worksheet (17-22)	investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.
Labeling Worksheet (17-22)	recognize and represent shapes from different perspectives;
Labeling Worksheet (17-22)	recognize geometric shapes and structures in the environment and specify their location.

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Lesson/Activity	Grades PK - 2 Mathematics Standards
Engine Terms (23-24)	understand various meanings of addition and subtraction of whole numbers and the relationship between the two operations;
Engine Terms (23-24)	understand the effects of adding and subtracting whole numbers;
Engine Terms (23-24)	develop and use strategies for whole-number computations, with a focus on addition and subtraction;
Engine Terms (23-24)	model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols.
Engine Terms (23-24)	recognize, name, build, draw, compare, and sort two- and three-dimensional shapes;
Engine Terms (23-24)	describe attributes and parts of two- and three-dimensional shapes;
Engine Terms (23-24)	investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.
Engine Terms (23-24)	recognize and represent shapes from different perspectives;
Engine Terms (23-24)	recognize geometric shapes and structures in the environment and specify their location.
Shape Matching (25)	understand various meanings of addition and subtraction of whole numbers and the relationship between the two operations;
Shape Matching (25)	understand the effects of adding and subtracting whole numbers;
Shape Matching (25)	develop and use strategies for whole-number computations, with a focus on addition and subtraction;
Shape Matching (25)	model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols.
Shape Matching (25)	recognize, name, build, draw, compare, and sort two- and three-dimensional shapes;
Shape Matching (25)	describe attributes and parts of two- and three-dimensional shapes;
Shape Matching (25)	investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.
Shape Matching (25)	recognize and represent shapes from different perspectives;
Shape Matching (25)	recognize geometric shapes and structures in the environment and specify their location.
Measurement Worksheet 26-32)	understand various meanings of addition and subtraction of whole numbers and the relationship between the two operations;
Measurement Worksheet 26-32)	understand the effects of adding and subtracting whole numbers;
Measurement Worksheet 26-32)	develop and use strategies for whole-number computations, with a focus on addition and subtraction;
Measurement Worksheet 26-32)	model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols.
Measurement Worksheet 26-32)	describe qualitative change, such as a student's growing taller;
Measurement Worksheet 26-32)	describe quantitative change, such as a student's growing two inches in one year.
Measurement Worksheet 26-32)	recognize, name, build, draw, compare, and sort two- and three-dimensional shapes;
Measurement Worksheet 26-32)	describe attributes and parts of two- and three-dimensional shapes;
Measurement Worksheet 26-32)	investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.
Measurement Worksheet 26-32)	recognize and represent shapes from different perspectives;

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Grades PK - 2 Mathematics

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Lesson/Activity	Grades PK - 2 Mathematics Standards
Measurement Worksheet 26-32)	relate ideas in geometry to ideas in number and measurement;
Measurement Worksheet 26-32)	recognize geometric shapes and structures in the environment and specify their location.
Measurement Worksheet 26-32)	recognize the attributes of length, volume, weight, area, and time;
Measurement Worksheet 26-32)	compare and order objects according to these attributes;
Measurement Worksheet 26-32)	understand how to measure using nonstandard and standard units;
Measurement Worksheet 26-32)	apply and adapt a variety of appropriate strategies to solve problems;
Time Changes Worksheet (33-44)	understand various meanings of addition and subtraction of whole numbers and the relationship between the two operations;
Time Changes Worksheet (33-44)	understand the effects of adding and subtracting whole numbers;
Time Changes Worksheet (33-44)	develop and use strategies for whole-number computations, with a focus on addition and subtraction;
Time Changes Worksheet (33-44)	model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols.
Time Changes Worksheet (33-44)	describe qualitative change, such as a student's growing taller;
Time Changes Worksheet (33-44)	describe quantitative change, such as a student's growing two inches in one year.
Time Changes Worksheet (33-44)	recognize, name, build, draw, compare, and sort two- and three-dimensional shapes;
Time Changes Worksheet (33-44)	describe attributes and parts of two- and three-dimensional shapes;
Time Changes Worksheet (33-44)	investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.
Time Changes Worksheet (33-44)	recognize and represent shapes from different perspectives;
Time Changes Worksheet (33-44)	relate ideas in geometry to ideas in number and measurement;
Time Changes Worksheet (33-44)	recognize geometric shapes and structures in the environment and specify their location.
Time Changes Worksheet (33-44)	understand how to measure using nonstandard and standard units;

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National Standards

Grades 3 - 5 - Mathematics

Source: NCTM National Standards Mathematics 2000

Lesson/Activity	Grades 3 - 5 Mathematics Standards
Role-Play(6-14)	understand and use properties of operations, such as the distributivity of multiplication over addition.
Role-Play(6-14)	develop fluency in adding, subtracting, multiplying, and dividing whole numbers;
Role-Play(6-14)	identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes;
Role-Play(6-14)	predict and describe the results of sliding, flipping, and turning two-dimensional shapes;
Role-Play(6-14)	identify and describe line and rotational symmetry in two- and three-dimensional shapes and designs.
Storyboard Airport Terms (15-16)	understand and use properties of operations, such as the distributivity of multiplication over addition.
Storyboard Airport Terms (15-16)	develop fluency in adding, subtracting, multiplying, and dividing whole numbers;
Storyboard Airport Terms (15-16)	identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes;
Storyboard Airport Terms (15-16)	describe location and movement using common language and geometric vocabulary;
Storyboard Airport Terms (15-16)	make and use coordinate systems to specify locations and to describe paths;
Storyboard Airport Terms (15-16)	predict and describe the results of sliding, flipping, and turning two-dimensional shapes;
Storyboard Airport Terms (15-16)	identify and describe line and rotational symmetry in two- and three-dimensional shapes and designs.
Labeling Worksheet (17-22)	understand and use properties of operations, such as the distributivity of multiplication over addition.
Labeling Worksheet (17-22)	develop fluency in adding, subtracting, multiplying, and dividing whole numbers;
Labeling Worksheet (17-22)	identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes;
Labeling Worksheet (17-22)	describe location and movement using common language and geometric vocabulary;
Labeling Worksheet (17-22)	make and use coordinate systems to specify locations and to describe paths;
Labeling Worksheet (17-22)	predict and describe the results of sliding, flipping, and turning two-dimensional shapes;
Labeling Worksheet (17-22)	identify and describe line and rotational symmetry in two- and three-dimensional shapes and designs.
Engine Terms (23-24)	understand and use properties of operations, such as the distributivity of multiplication over addition.
Engine Terms (23-24)	develop fluency in adding, subtracting, multiplying, and dividing whole numbers;
Engine Terms (23-24)	identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes;
Engine Terms (23-24)	describe location and movement using common language and geometric vocabulary;
Engine Terms (23-24)	make and use coordinate systems to specify locations and to describe paths;
Engine Terms (23-24)	predict and describe the results of sliding, flipping, and turning two-dimensional shapes;
Engine Terms (23-24)	identify and describe line and rotational symmetry in two- and three-dimensional shapes and designs.

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National Standards

Grades 3 - 5 - Mathematics

Source: NCTM National Standards Mathematics 2000

Lesson/Activity	Grades 3 - 5 Mathematics Standards
Shape Matching (25)	understand and use properties of operations, such as the distributivity of multiplication over addition.
Shape Matching (25)	develop fluency in adding, subtracting, multiplying, and dividing whole numbers;
Shape Matching (25)	identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes;
Shape Matching (25)	predict and describe the results of sliding, flipping, and turning two-dimensional shapes;
Shape Matching (25)	identify and describe line and rotational symmetry in two- and three-dimensional shapes and designs.
Measurement Worksheet (26-32)	understand and use properties of operations, such as the distributivity of multiplication over addition.
Measurement Worksheet (26-32)	develop fluency in adding, subtracting, multiplying, and dividing whole numbers;
Measurement Worksheet (26-32)	investigate how a change in one variable relates to a change in a second variable;
Measurement Worksheet (26-32)	identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes;
Measurement Worksheet (26-32)	predict and describe the results of sliding, flipping, and turning two-dimensional shapes;
Measurement Worksheet (26-32)	identify and describe line and rotational symmetry in two- and three-dimensional shapes and designs.
Measurement Worksheet (26-32)	understand the need for measuring with standard units and become familiar with standard units in the customary and metric systems;
Measurement Worksheet (26-32)	understand that measurements are approximations and how differences in units affect precision;
Measurement Worksheet (26-32)	explore what happens to measurements of a two-dimensional shape such as its perimeter and area when the shape is changed in some way.
Measurement Worksheet (26-32)	select and apply appropriate standard units and tools to measure length, area, volume, weight, time, temperature, and the size of angles;
Measurement Worksheet (26-32)	apply and adapt a variety of appropriate strategies to solve problems;
Time Changes Worksheet (33-44)	understand and use properties of operations, such as the distributivity of multiplication over addition.
Time Changes Worksheet (33-44)	develop fluency in adding, subtracting, multiplying, and dividing whole numbers;
Time Changes Worksheet (33-44)	investigate how a change in one variable relates to a change in a second variable;
Time Changes Worksheet (33-44)	identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes;
Time Changes Worksheet (33-44)	predict and describe the results of sliding, flipping, and turning two-dimensional shapes;
Time Changes Worksheet (33-44)	identify and describe line and rotational symmetry in two- and three-dimensional shapes and designs.
Time Changes Worksheet (33-44)	understand the need for measuring with standard units and become familiar with standard units in the customary and metric systems;
Time Changes Worksheet (33-44)	understand that measurements are approximations and how differences in units affect precision;
Time Changes Worksheet (33-44)	explore what happens to measurements of a two-dimensional shape such as its perimeter and area when the shape is changed in some way.