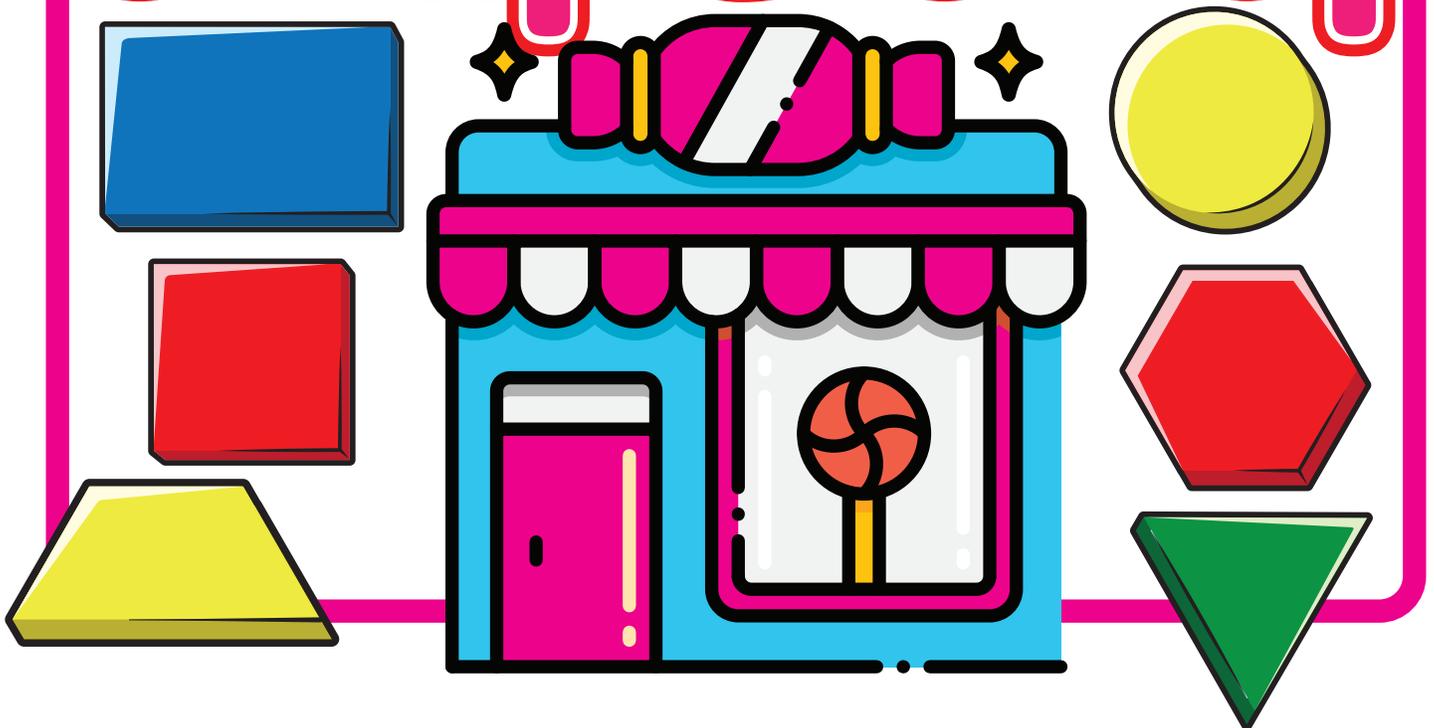


Valentine's Shape Shop



A low-prep, high-engagement geometry game using shape attributes and a dice roll to drive mathematical reasoning.

Grade Levels: K-5 (easily differentiated)

Time Needed: 15-30 minutes

Grouping: Groups of 2-4

Skills Focus:

Identifying shapes

Describing attributes

Mathematical reasoning and justification

Academic vocabulary

Valentine's Shape Shop

Teacher Instructions

Goal

Collect customer order cards by correctly matching rolled shapes to order attributes.

What You Need

- 3-4 players per group
- 1 six-sided die
- Copy of "How to Play"
- 1 set of Customer order cards per group
- 1 Dice Key per group or per student
- 1 Recording sheet per student
- Pencil

Set Up

Place the customer order cards face down in a stack in the center of the group.
Give each group one die, one Dice Key, and recording sheets.
All players will take turns running the shop.

How to Play

Step 1: Choose the First Player- (All other players will play the role of Inspector to ensure orders are right!)

Step 2: Begin Play

Player one is now the Shopkeeper

Draw one customer order card.

Read the order out loud so all players can hear it.

Roll the die.

Use the Dice Key to find the shape that matches the number rolled.

Say the rolled shape name out loud.

Decide if the rolled shape matches the customer order.

Check the attributes in the order (sides, angles, parallel sides).

If the shape matches- Keep the customer order card.

If the shape does not match- Explain why it does not work.

Put the customer order card back in the stack.

Record the rolled shape on your recording sheet.

Did you fulfill the order? Circle YES or NO.

Explain your answer to your classmates.

Step 3: Play moves to the next player.

Repeat the steps.

Game Rules

Everyone must listen to the explanation. Use math vocabulary when explaining. The group may question an answer respectfully. If the group disagrees, re-roll.

How the Game Ends

Play until time is called or the order stack runs out.

Each player counts how many customer order cards they collected.

How to Win

The player with the most customer order cards wins.

Valentine's Shape Shop

How to Play

Take turns being the Shopkeeper.
Everyone else is an Inspector.

Draw a card.

Read the order out loud.

Roll the die.

Use the Dice Key to find the shape.

Check the match.

Does the shape fit the order?
Look at sides, angles, and parallel sides.

If it matches:

Keep the card.

If it does not match:

Say why.
Put the card back.

Record your roll.

Circle YES or NO.
Explain your thinking.

Pass the turn.

Game Rules

Listen to explanations.
Use math vocabulary.
You may question kindly.
If the group disagrees, re-roll.

Game Over

Stop when time is up or cards run out.
Count your cards.

Winner

The player with the most cards wins 🏆

Valentine's Shape Shop

How to play

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Everyone else is an Inspector.

Draw a card.

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Roll the die.

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Valentine's Shape Shop

Recording Sheet

Roll the dice.

Find your number on this list.

Does your shape match the customer order?

Yes? Keep the customer order

Not? Put the order back in the pile.

- 1 Circle
- 2 Triangle
- 3 Trapezoid
- 4 Rectangle
- 5 Hexagon
- 6 Square

Customer Order	Shape I Rolled	Order filled?
		<input type="radio"/> Yes <input type="radio"/> No
		<input type="radio"/> Yes <input type="radio"/> No
		<input type="radio"/> Yes <input type="radio"/> No
		<input type="radio"/> Yes <input type="radio"/> No
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Valentine's Shape Shop

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Valentine's Shape Shop

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Valentine's Shape Shop

Customer Order Cards

A shape with no vertices



A shape that looks like a coin



A shape with curved edges



A shape with exactly 3 sides



A shape that is not a polygon



A shape with only 3 vertices



A shape that has no straight sides



A shape that is a polygon with fewer than 4 sides



Valentine's Shape Shop

Customer Order Cards

A shape that looks like a slice of pizza



A polygon with more than 3 sides



A shape with 4 equal sides



A shape that is a special kind of rectangle



A shape with 4 vertices



A shape with only 3 vertices



A shape that is a quadrilateral



A shape that is a polygon with fewer than 4 sides



Valentine's Shape Shop

Customer Order Cards

A shape with 4 sides
and 4 right angles



A shape that has
more than 3 sides



A shape with
opposite sides
equal



A shape that looks
like the classroom
door



A shape that is a
quadrilateral but
not a square



A shape with
exactly one pair of
parallel sides



A shape with two
pairs of parallel
sides



A shape with 4 sides
but not 4 right
angles



Valentine's Shape Shop

Customer Order Cards

A shape that is not a rectangle but is a quadrilateral



A shape with 6 vertices



A shape that is a quadrilateral and has 2 obtuse and 2 acute angles



A shape that has more than 4 sides



A quadrilateral with exactly one pair of parallel sides and no right angles



A shape with no curved edges



A shape with 6 sides



A shape with 6 angles and at least one pair of non-parallel sides



Valentine's Shape Shop

Customer Order Cards

A polygon that has twice as many sides as a triangle



A quadrilateral with two pairs of parallel sides and all sides congruent



A polygon with 4 vertices and angles that are all congruent



A polygon with fewer than 4 sides and no pairs of parallel sides



A quadrilateral that has right angles but does not require all sides to be equal



A shape with no sides, no vertices, and one continuous curved edge



A shape that is a quadrilateral with 4 equal sides and 4 right angles



A shape that is not a polygon and has no angles



Valentine's Shape Shop

TEKS Covered

Kindergarten TEKS

Geometry & Measurement

K.6(A) Identify and describe attributes of two-dimensional shapes (number of sides, vertices, curved edges).

K.6(B) Identify two-dimensional shapes, including circle, triangle, rectangle, and square.

K.1(D) Explain and justify mathematical ideas using words and objects.

Grade 1 TEKS

1.6(A) Classify and sort two-dimensional shapes based on attributes.

1.6(B) Distinguish between attributes that define a shape versus those that do not.

1.1(C) Explain reasoning using mathematical language.

Grade 2 TEKS

2.8(A) Create two-dimensional shapes based on given attributes.

2.8(B) Classify and analyze two-dimensional shapes by attributes.

2.1(C) Use formal and informal language to explain strategies.

Grade 3 TEKS

3.6(A) Classify and sort polygons based on attributes, including number of sides.

3.6(B) Use attributes to recognize and compare quadrilaterals.

3.1(E) Explain mathematical ideas using representations and precise language.

Grade 4 TEKS

4.6(A) Identify and classify two-dimensional figures based on properties, including parallel and perpendicular sides.

4.6(B) Classify quadrilaterals based on geometric properties.

4.1(D) Communicate mathematical ideas using precise terminology.

Grade 5 TEKS

5.5(A) Classify two-dimensional figures in a hierarchy based on properties.

5.5(B) Describe relationships among quadrilaterals using properties.

5.1(F) Analyze and justify mathematical relationships.

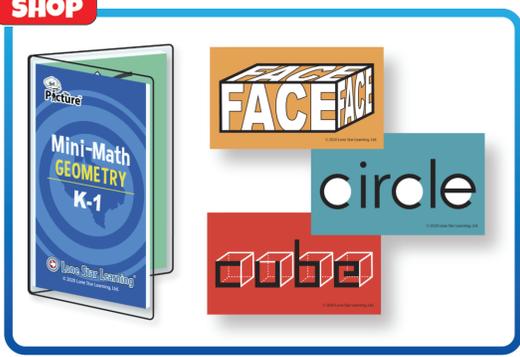
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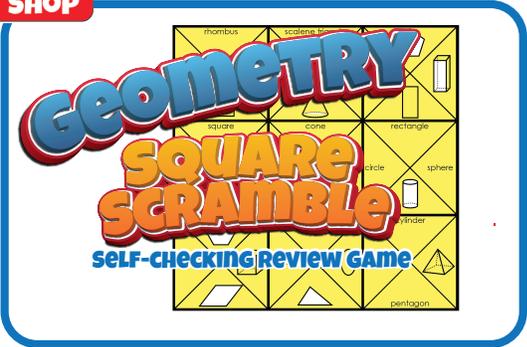
Gimme 3 Geometry

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Mini-Math Vocabulary

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Square Scramble - Basic Geometry

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Target It!

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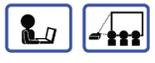
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