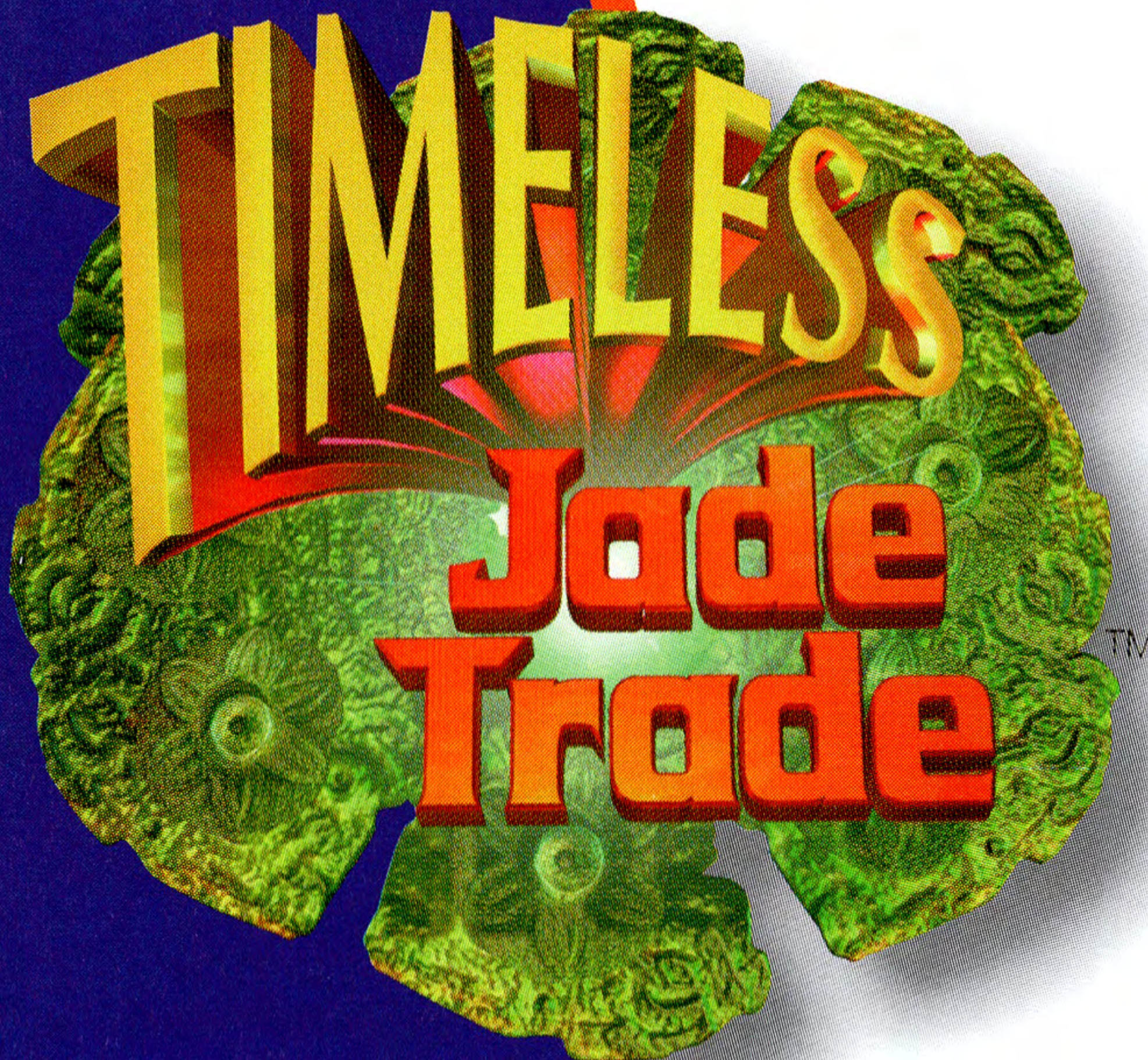




NTSC U/C

Timeless Jade Trade[®]



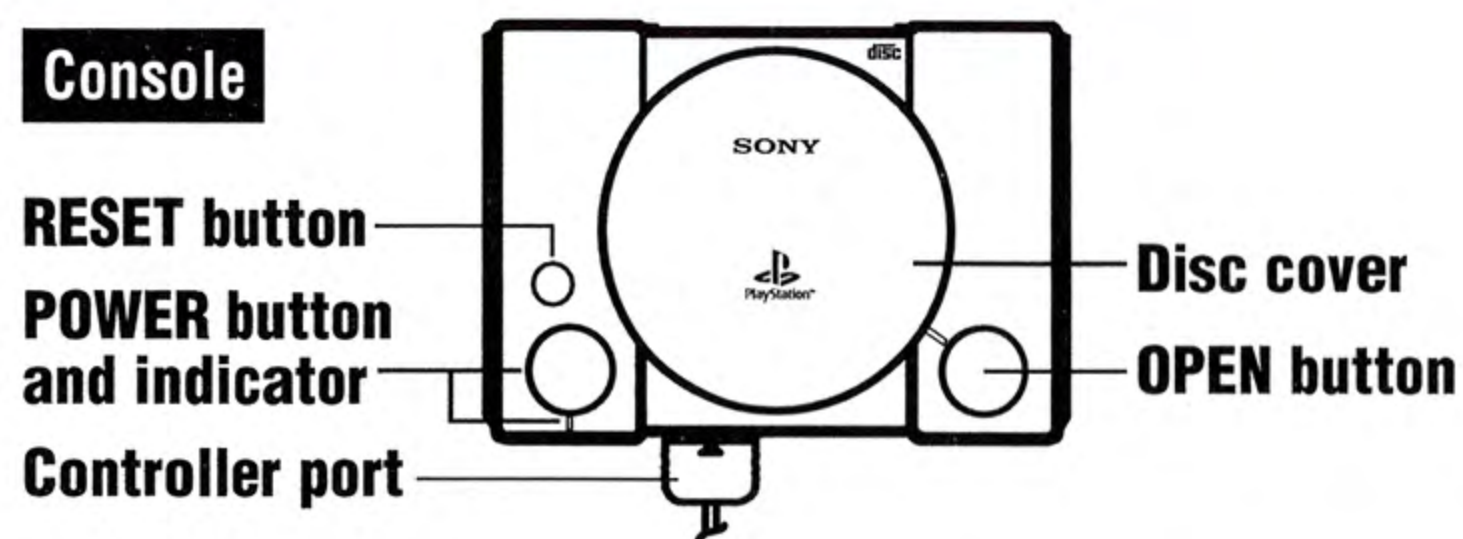
Your child is invited inside the “Maya Trade Center” to explore mathematics tools and to earn jade pieces for correctly answering problems. In exchange for the jade pieces he or she has earned, your child will trade for Timeless Tricks—Maya Pottery, Stamp, and Mask tricks.

LEARNING OBJECTIVES

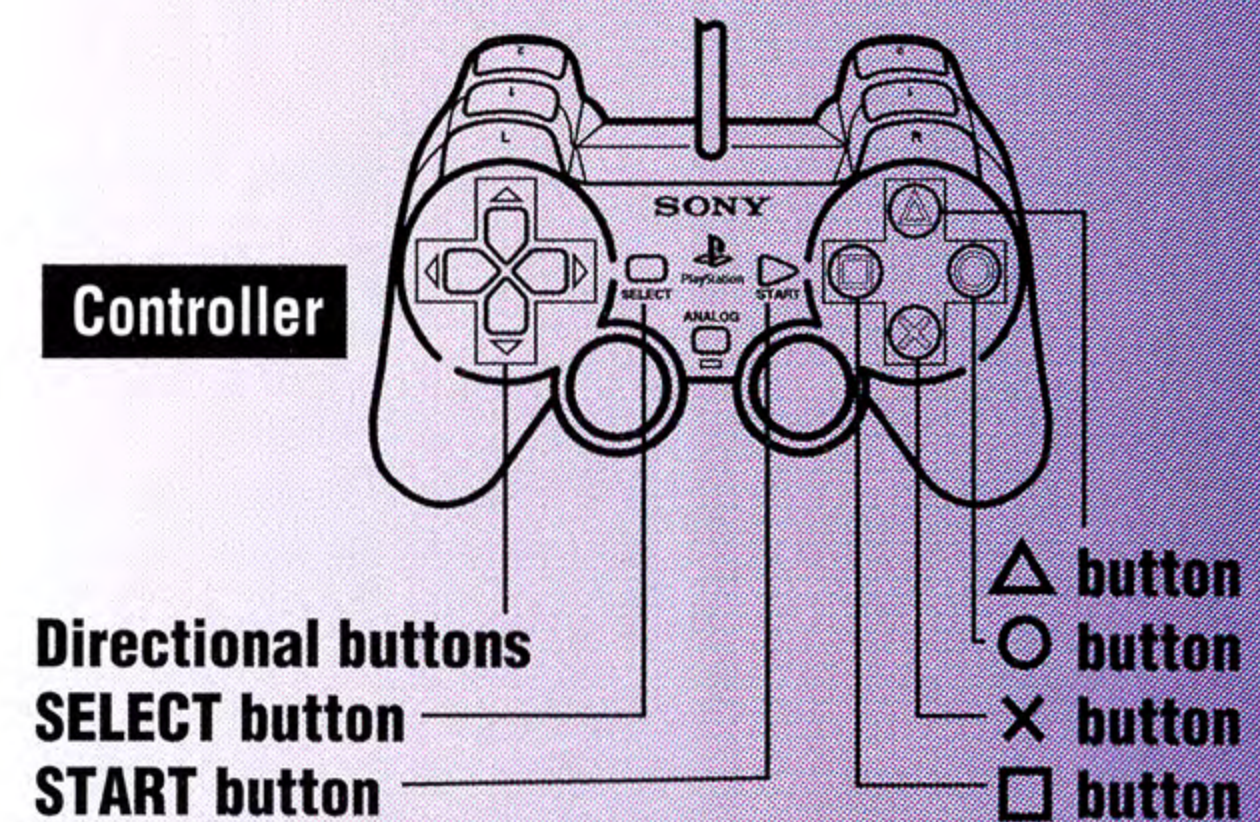
- Explore ways of combining like and unlike fractions to create a whole
- Explore the relationship among fractions, decimals, and percentages by using area models
- Compare decimal and percentage representations by using a length model

Getting Started

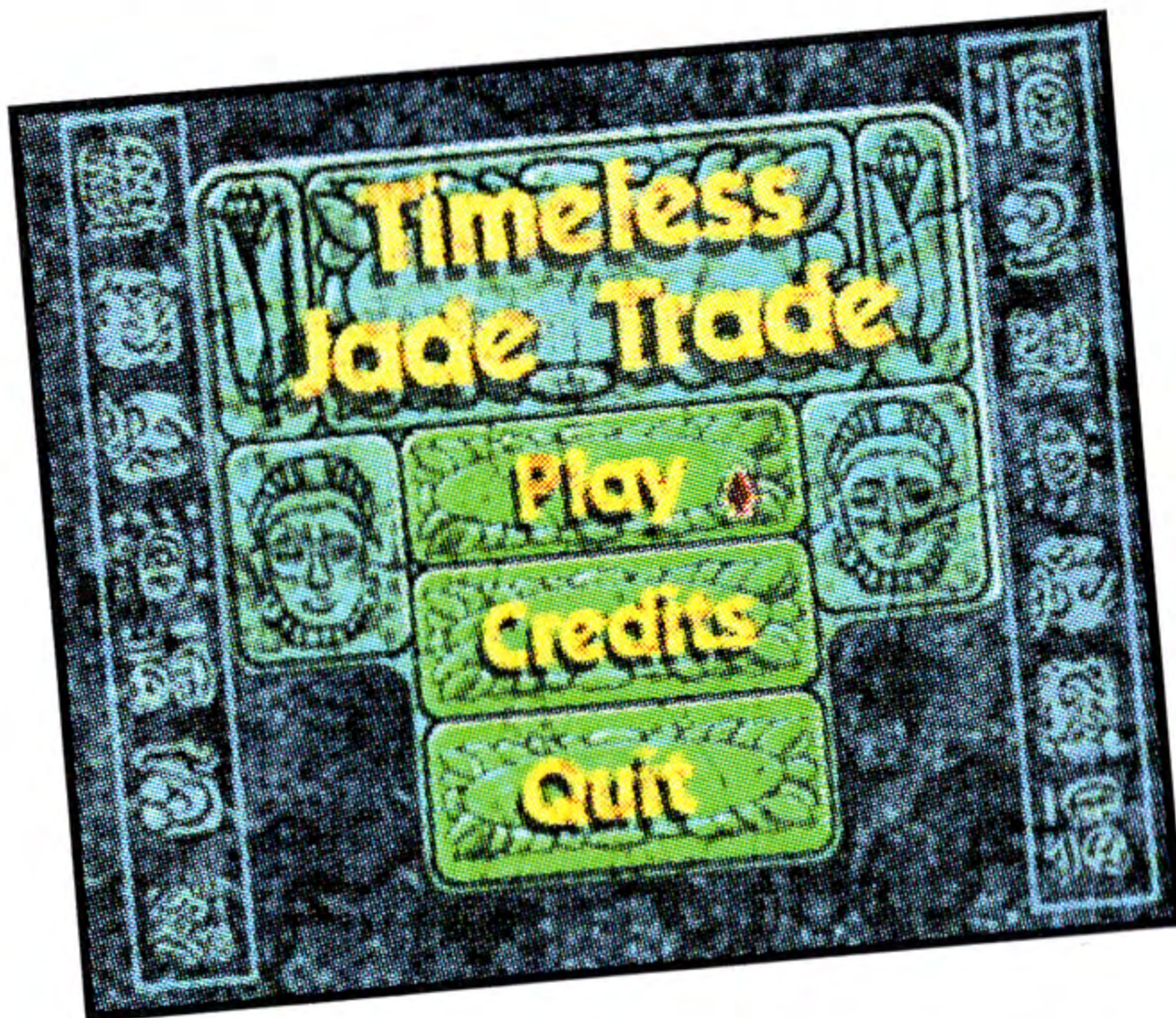
Console



Controller



Set up your PlayStation® game console according to the instructions in its Instruction Manual. Make sure the power is off before inserting or removing a disc. Insert the disc and close the disc door. Insert the game controller(s) and turn on the PlayStation game console. Follow the on-screen instructions to start the adventure.



- Use the **arrows** on the game controller to move the pointer.
- Use the **X button** on the game controller for clicking.
- Click when the **arrowhead** appears to make a selection.
- Click **Play** to use the tools.
- Click **Credits** to view the credits.
- Click **Quit** to exit the adventure.

“Maya Trade Center”

In the “Maya Trade Center,” your child uses four different tools—the Coin Tool, Area Tiling Tool, Equivalence Tool, and Line Tool. Have your child:

- click the **coins** on the left side of the table to use the Coin Tool
- click the **grid** in the center of the table to use the Area Tiling Tool
- click the **calculator** on the right side of the table to use to the Equivalence Tool
- click the three **display cases** to trade for Timeless Tricks
- click the **wooden slot** with the three dots above the middle display case to use the Line Tool
- click the **downward-facing arrow** in the lower-right corner to go to the Choice Screen



From the Choice Screen, your child can choose to either “Explore” or “Play for Jade.” In Explore mode, your child practices using the tools. Or, your child may Play for Jade where, for every correct answer, he or she earns jade pieces, which can be exchanged for Timeless Tricks. Have your child:

- click **Explore** to practice the games
- click **Play for Jade** to earn jade pieces
- click **Start Over** to return to the opening screen
- click **On** or **Off** to turn the music on or off
- click **Quit** to exit the adventure
- click **OK** to confirm a selection

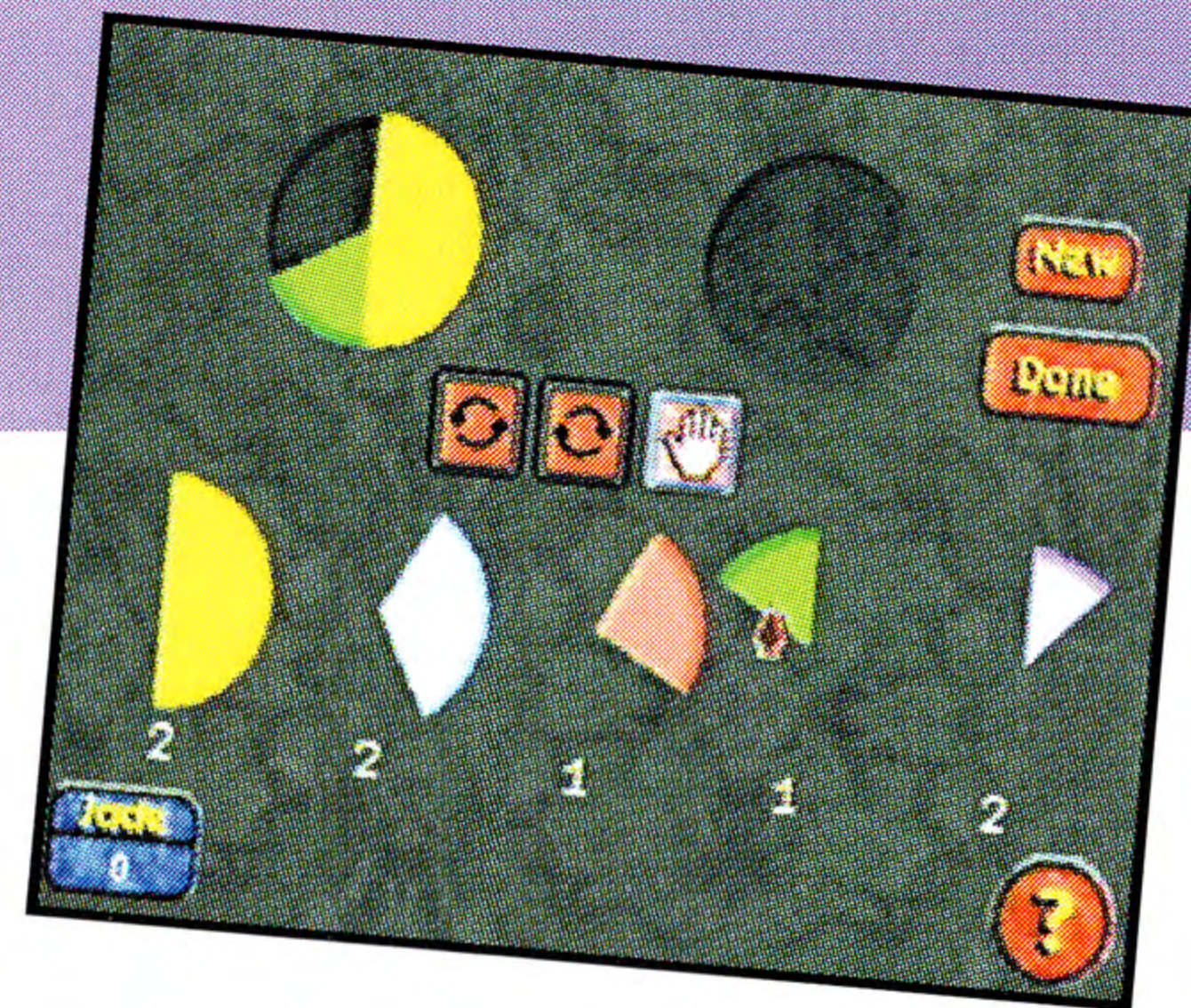
There are four levels to each tool. Three *correct* answers in a row moves your child up one level; two *incorrect* answers in a row moves him or her down one level. The number of jade pieces that your child earns for a correct answer increases as he or she advances through the levels.

Coin Tool

In this activity, your child will rotate and combine coin pieces to make two whole coins. Have your child:

- click either the clockwise or counterclockwise **circular arrows** in the middle of the screen and then click a **coin piece**
- click a **coin piece** repeatedly to rotate it so that it will fit into the coin outline
- click the **hand** and then click the **coin piece**; move it to the coin outline and click again to place the coin piece in the outline
- fill in the two outlines and then click **Done**; click **New** to start again
- click the **question mark** to hear directions about a tool
- click the **exit arrow** that appears when he or she moves the pointer to the upper-left corner of the screen to exit the tool or go to the previous screen

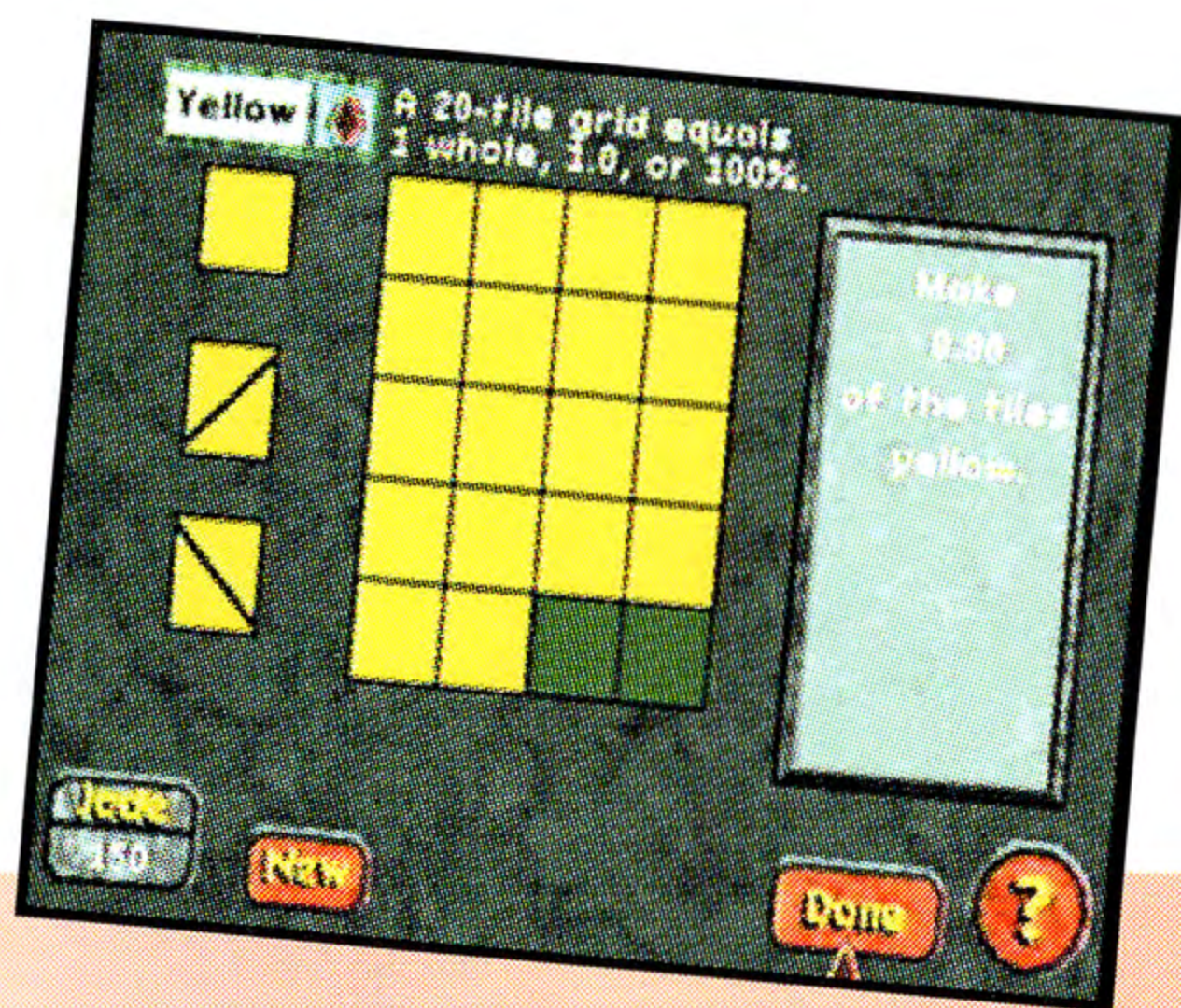
Explore: In Explore mode, your child will experiment with rotating and placing coins. Your child may click **Coin Set** and then click the **up and down arrows** to change the number of coin pieces. After changing the number of coin pieces, he or she clicks **OK**. Have your child click **Cancel** to leave the number of coin pieces at the original setting.



Area Tiling Tool

In this activity, your child will place colored square and triangular tiles onto a grid to match a given instruction. Have your child:

- note the **instruction** on the right side of the screen and figure out the number and color of tiles to place on the grid to match the instruction
- click the **arrowhead** by the color name in the upper-left corner of the screen to select a tile color
- place a tile on the grid by clicking the **tile**, moving it to the correct position, and clicking again



- continue to move tiles onto the grid until the instruction has been completed and then click **Done**
- click the **question mark** to hear directions about a tool
- click the **exit arrow** that appears when he or she moves the pointer to the upper-left corner of the screen to exit the tool or go to the previous screen

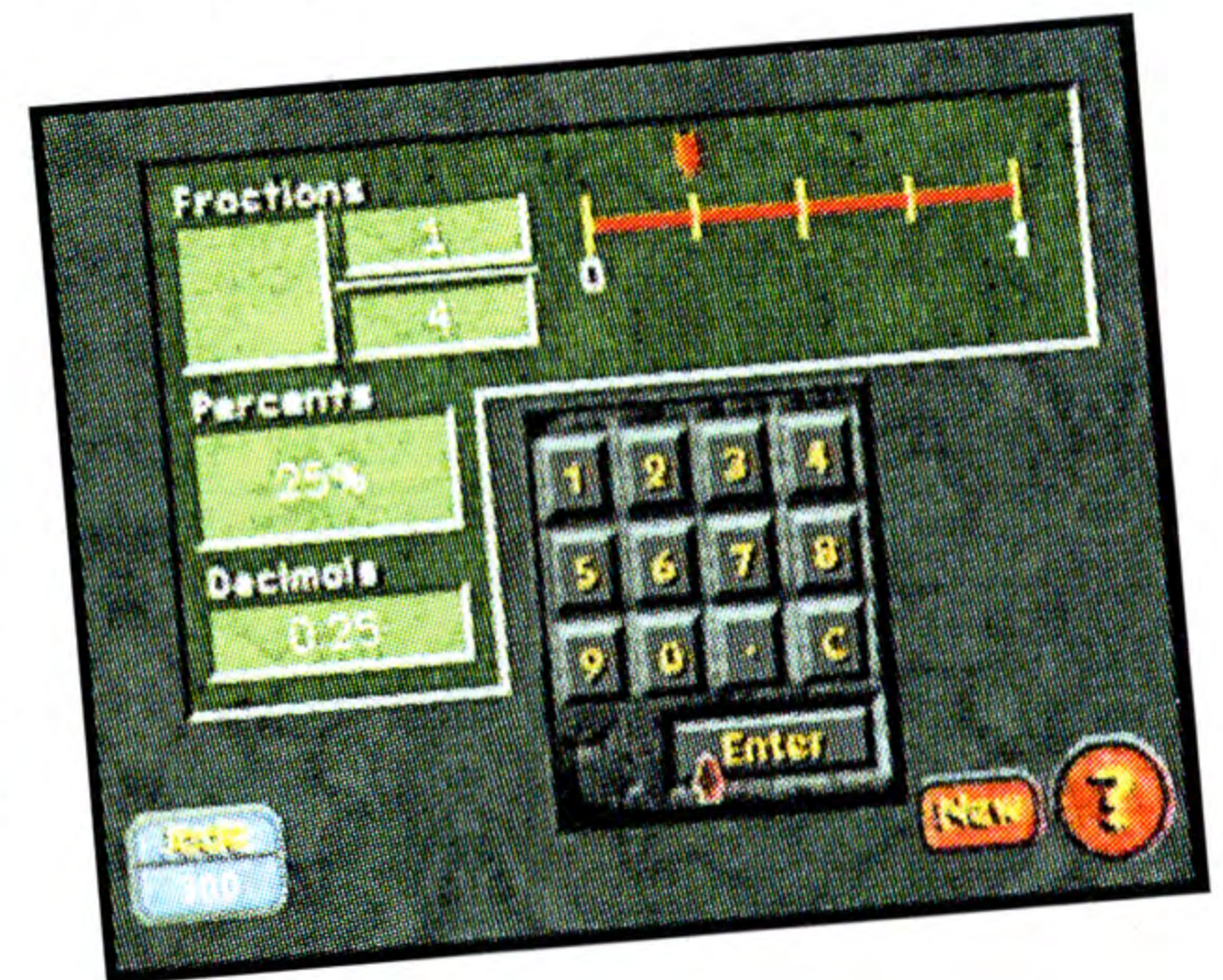
Explore: In Explore mode, your child will place as many tiles of various colors on the grid as he or she wants and then note how percentages, decimals, and fractions are related by reading the information on the right side of the screen.

Look around the room for rectangular items. Then, have your child estimate the area of each item in feet or inches.

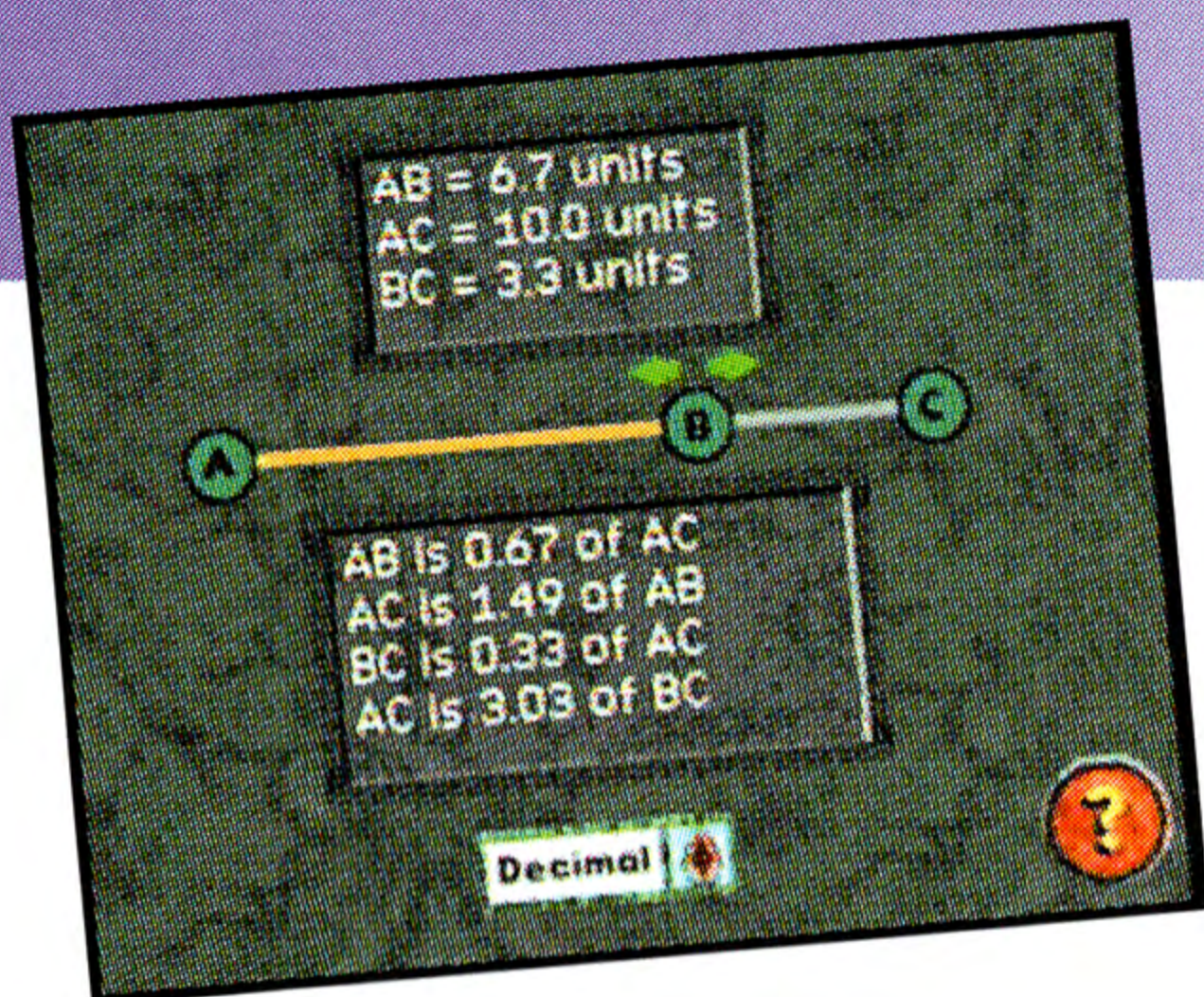
Equivalence Tool

In this activity, your child will enter the value indicated on a number line and see what it equals in two other number forms. Have your child:

- look at the **number line** and note which of the boxes on the left side of the screen is highlighted with a yellow border
- click the **number keys** on the number pad to enter the value that is shown on the number line and then click **Enter** (**Note.** Your child must click each box before entering a fraction)
- click the **question mark** to hear directions about a tool
- click the **exit arrow** that appears when he or she moves the pointer to the upper-left corner of the screen to exit the tool or go to the previous screen



Explore: In Explore mode, your child enters a number in either the Fraction, Percents, or Decimals category to see how the numbers in the remaining two categories compare.



Line Tool

In this activity, your child will experiment with distances measured in percentages and decimals by moving a point on a line segment. Have your child:

- click the **B marker**, and move it toward the A or the C endpoint, and then click again
- view the unit distances above the line segment and the relative measurements below the line segment
- change the number forms by clicking the **arrowhead** in the box next to the word Decimal or Percent
- click the **question mark** to hear directions about a tool
- click the **exit arrow** that appears when he or she moves the pointer to the upper-left corner of the screen to exit the tool or go to the previous screen

Note. The Line Tool is available only in Explore mode.

Timeless Tricks

Your child exchanges the jade pieces that he or she has earned while “playing for jade” for Timeless Tricks. Timeless Tricks teach your child to perform illusions, solve puzzles, and use numbers to untangle mathematical mysteries. Your child may trade jade pieces for tricks at any time he or she has earned enough jade. Have your child:

- click one of the three **display cases** in the “Maya Trade Center”
- click an available **slot** to see a trick
- click the **arrows** on the lower-right part of the page to turn the page forward or backward
- click the **exit arrow** that appears when he or she moves the pointer to the upper-left corner of the screen to exit the Timeless Tricks screen

Note. The choice of tricks depends on the number of jade pieces that children have to spend. The minimum number of jade pieces needed to purchase a trick is 400.

Extending the Learning Experience

Family Activities

Class Fractions

Talk with your child about the total number of students in his or her class. Ask your child what number of students in the class are female and what number are male. Then, have your child tell you the fraction of students that are female and the fraction that are male. For example, if there are 30 students in your child's class and 20 of them are male, then $\frac{20}{30}$, or $\frac{2}{3}$, of the students are male.

Pizza Slices

The next time you make or order pizza, allow your child to slice it. First, have him or her slice the pizza into halves, then fourths, and finally eighths. Then, ask your child what fraction of the pizza each family member would receive if the pizza were divided equally.

Newspaper Search

Help your child find fractions, decimals, or percentages in the newspaper. Discuss what they mean. For example, a furniture store that is going out of business might advertise "20% off everything in stock." Talk with your child about what this means to the customer.

WARNING: READ BEFORE USING THE PLAYSTATION® GAME CONSOLE.

A very small percentage of individuals may experience epileptic seizures when exposed to certain light patterns or flashing lights. Exposure to certain patterns or backgrounds on a television screen or while playing video games, including games played on the PlayStation game console, may induce an epileptic seizure in these individuals. Certain conditions may induce previously undetected epileptic symptoms even in persons who have no history of prior seizures or epilepsy. If you, or anyone in your family, has an epileptic condition, consult your physician prior to playing. If you experience any of the following symptoms while playing a video game—dizziness, altered vision, eye or muscle twitches, loss of awareness, disorientation, any involuntary movement, or convulsions—IMMEDIATELY discontinue use and consult your physician before resuming play.

WARNING TO OWNERS OF PROJECTION TELEVISIONS:

Do not connect your PlayStation game console to a projection TV without first consulting the user manual for your projection TV, unless it is of the LCD type. Otherwise, it may permanently damage your TV screen.

USE OF UNOFFICIAL PRODUCTS:

The use of unofficial products and peripherals may damage your PlayStation game console and invalidate your console warranty.

HANDLING THE PLAYSTATION DISC:

- This compact disc is intended for use only with the PlayStation game console.
- Do not bend it, crush it, or submerge it in liquids.
- Do not leave it in direct sunlight or near a radiator or other source of heat.
- Be sure to take an occasional rest break during extended play.
- Keep this compact disc clean. Always hold the disc by the edges and keep it in its protective case when not in use. Clean the disc with a lint-free, soft, dry cloth, wiping in straight lines from center to outer edge. Never use solvents or abrasive cleaners.



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