Accelerated Individualized Mastery

Multiplication

Review Activities

Overview

These 14 activities are meant to be brief, hands-on review sessions to keep students fluent in their Facts Known. This set of activities focuses less on practicing the strategies used to remember specific math facts, and more on maintaining your student's ability to recall facts quickly from memory.

Note: Several activities can be used with multiple lessons. Just practice the activity with the current lesson's math facts and have fun!

R1 Key Fact and Companion Fact Matching Game

Review
Multiplication Facts (any)

Materials
- selected Fact Check Cards

Set Up
Shuffle the selected Fact Check Cards and place them face down in a grid.

1. Take turns trying to match each key multiplication fact with its companion fact by only flipping over two cards at a time.
2. Be sure to say each fact aloud as you flip the cards over (e.g., “six times seven equals forty-two” and “seven times six equals forty-two”).
3. If a player gets a match, they may keep those cards and pick again (e.g., “three times nine equals twenty-seven” and “nine times three equals twenty-seven”).
4. If a player does not get a match (e.g., “four times two is eight” and “five times three is fifteen”), they flip both cards face down and the other player takes a turn.
5. If a player draws a fact that forms a square (e.g., “four times four equals sixteen”) they may keep it without drawing another card, and state the there is no companion fact (since the factors are the same).
6. Continue until all matches have been found. The player with the most matches wins.

R2 Multiplication Fact War

Review
Multiplication Facts (any)

Materials
- deck of playing cards (Aces and face cards removed)

Set Up
Shuffle the deck of cards. Divide the deck in half between both players.

1. Each player turns over two cards, multiplies the numbers on their cards, and says the product aloud.
2. The person with the greater answer takes the cards.
3. If the products are the same, each player turns over two more cards, multiplies the numbers on their cards, and says the product aloud. The player with the greater answer takes all the cards.
4. Continue for several rounds of play, or until there are no more cards in the deck.

R3 Ladder Multiplication

Review
Multiplication Facts (any)

Materials
- sticky notes
- pencil
- selected Fact Check Cards

Set Up
Shuffle the selected Fact Check Cards and place them face down in a pile. You will need the same number of sticky notes as Fact Check Cards that are selected for this activity.

1. Arrange the sticky notes in a single vertical column. This represents the ladder.
2. The goal of the game is to arrange the products from least (bottom square) to greatest (top square).
3. Draw a Fact Check Card at random.
4. Say the problem aloud and the answer (e.g., “two times nine equals eighteen”).
5. Choose one of the sticky notes in the column and write the product on it. The products can be rearranged as new facts are selected to maintain order from least to greatest.
6. Continue play until all “rungs” (aka sticky notes) have a product written on them, and are in order from least to greatest.

R4 Roll-A-Fact

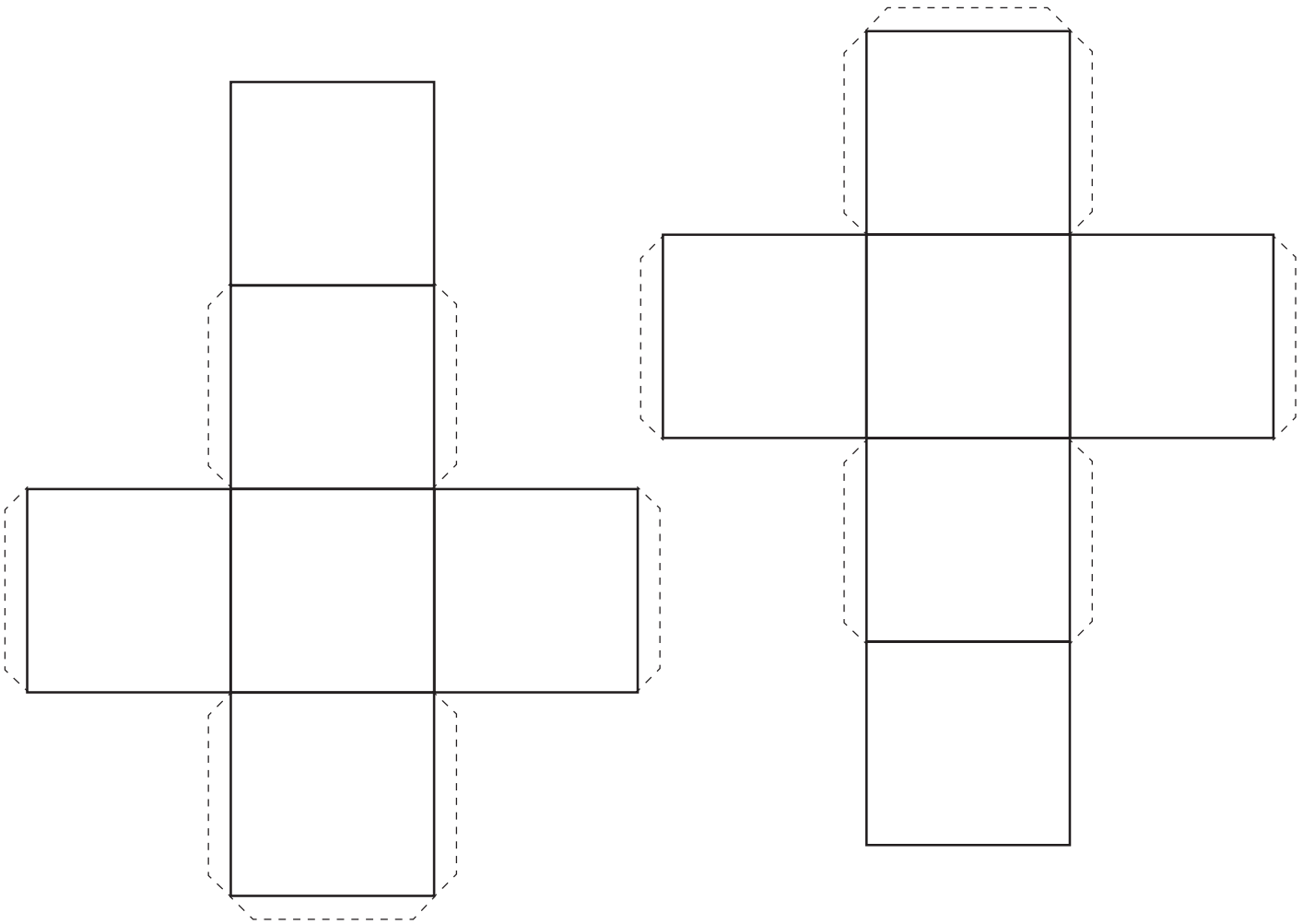
Review
Multiplication Facts (any)

Materials
- pencil
- scissors
- clear tape (to make a 6-sided cube)
- dry erase board, marker, and eraser

Set Up
To make your number cube, use the template provided below.

1. In each square, write factors for any Facts Known you would like your student to review. A factor can be written on multiple sides (e.g., 2, 2, 3, 3, 5, 5).
2. Cut out your t-shape.
3. Flip the paper so the numbers are facedown, and fold along each line to form the number cube.
4. Finally, fold and tape the edges together. You are now ready to play!

Play
1. Have your student write a multiplication symbol and equal sign on the dry erase board. Be sure they allow adequate space between the two to write a number.
2. Next, ask your student to roll each cube.
3. Then write the numbers rolled as the factors on the dry erase board.
4. Say the fact aloud with the product (e.g., “three times five equals fifteen”).
5. Repeat for several rounds.



R5 A Circle of Facts

Review
Multiplication Facts (any)

Materials
- dry erase board and marker (or paper and pencil)

1. Select a factor (e.g., 4).
2. Draw a large circle on the dry erase board and write the selected factor (e.g., 4) in the center. This number is the permanent factor.
3. Next, around the inside rim of the circle, write the numerals 2–10 in random order. These will serve as the other factors.
4. Draw a line from one of the factors around the inside rim of the circle to the factor in the center.
5. Say the math fact and answer aloud (e.g., “six times four equals twenty-four”).
6. Repeat until all factors have been used.
7. Optional: Pick another number for the center of the circle and repeat the activity.

R6 Multiplication Rhythms

Review
Multiplication Facts (any)

Materials
- jump rope, ball, or coin
- selected Fact Check Cards

1. Choose several math facts to practice but no more than five.
2. Say the math facts aloud while jumping rope, passing a ball, flipping a coin, or doing push-ups or jumping jacks.
3. Repeat each math fact correctly three times.
4. Repeat the activity twice during the day (e.g., before lunch and after dinner).

Note: Incorporating large muscle movement can help commit math facts to long term memory. This can be helpful, particularly for older children who consider themselves “stuck” on learning certain facts.

R7 Math Toss

Review
Multiplication Facts (any)

Materials
- inflated balloon or a ball
- selected Fact Check Cards
- paper bag

1. Select a math fact from the bag.
2. Toss a balloon or ball to your student.
3. As you toss, call out the math fact.
4. The goal is for your student to say the answer before catching it. (If your student needs more time to say the answer, modify the rule so that they call out the answer before passing on the balloon or ball.)
5. Continue for several rounds.

Variation
Bounce a ball to each other and say the answer before it is caught.

R8 Tic-Fact-Toe

Review
Multiplication Facts (any)

Materials
- bean bag or ball
- sidewalk chalk

Set Up
Outside, draw a large square on pavement with chalk. Divide the square into 9 equal sections, and write a different math fact in each section (the doubles facts are used in this example). Below is a sample layout with a doubles fact in each section and a "free" space in the middle.

2 × 9	4 × 2	5 × 2
5 × 2	Free	2 × 7
8 × 2	3 × 2	2 × 6

1. Decide which player will be X's and which player will be O's.
2. Players will take turns marking squares with their chosen marks. However, in order to mark a square, they must first correctly answer the math fact in that square.
3. If they mark the "free" space, they can pick any fact.
4. The first player to get three of their marks in a row (down, up, across, or diagonally) wins.
5. If all nine squares are marked and there is no winner, the game results in a tie.

Variation
To encourage activity, you can turn this game into a bean bag toss. You can create a bean bag by filling a sealed sandwich bag with either dry rice or beans. (You might want to double up the bag to prevent it from breaking.)

1. Have your student stand outside the square at a designated distance and toss a bean bag into it. If the bean bag lands on a fact, your student says it with the answer. If the bean bag lands on the "free" square, they can pick any fact. If it lands on a line, they toss it again.
2. Take turns tossing the bean bag and saying facts.

R9 Fact Flashlight Tag

Review
Multiplication Facts (any)

Materials
- sticky notes
- flashlight
- dimly-lit room
- selected Fact Check Cards

Set Up
Write the answers to selected math facts on the sticky notes and place them randomly on the wall of a dimly-lit room. Have the accompanying Fact Check Cards for review ready to ask your student.

Play
1. Ask your student a math fact.
2. Have your student "flashlight tag" the correct answer as quickly as possible.
3. Repeat until all answers have been "tagged."

R10 Doubles? No Trouble

Review
Doubles or
Double, Doubles Facts
Use the Doubles Fact, Add One More Group

Materials
- deck of cards (Aces and face cards removed)

1. Shuffle the cards and place them face down in a pile.
2. Have your student draw one card.
3. Double the factor shown on the card to make a doubles multiplication fact. For example, if your student draws a seven, the resulting fact would be 7 × 2 or 2 × 7.
4. Have your student say the problem aloud and the answer (e.g., "seven times two equals fourteen").
5. Verify the answer.
6. Repeat for several facts.

Variation
For a variation on this activity, you can practice the double, doubles facts (× 4) or the double, plus one more group facts (× 3).

R11 Fishin' for Squares

Review
Multiplication Facts
(any factor times itself)

Materials
- deck of cards
  (Aces and face cards removed)

Set Up
Shuffle the cards and give five cards to each player.

1. The first player chooses a card from their hand and asks the other player if they have the same card in their hand. For example, if the first player chooses a nine, they would ask if the second player has any nines.
2. If the second player has the requested card, the second player gives it to the first player, who must multiply both factors and say the square multiplication fact aloud (e.g., "nine times nine equals eighty-one").
3. If the first player says the square fact correctly, they place those two cards in front of them.
4. If the second player does not have the requested card, they say, "Go fishin'!" Then the first player must take another card from the pile.
5. Take turns until someone is out of cards. The person who runs out of cards gets two points, and everyone gets one point for each square multiplication fact put down. The person with the most points wins!

R12 Flicker

Review
Multiplication Facts (any)

Materials
- deck of cards
  (Aces and face cards removed)
- dry erase board and marker
  (or paper and pencil)

Set Up
Determine which multiplication facts your student will review for this activity (e.g., the fives facts).

1. Shuffle the cards and distribute evenly between the players.
2. The first player flicks a card onto the table. If it lands face up, they multiply it by a factor of five and say the answer aloud (e.g., "four times five equals twenty"). If they are correct, they get to keep all of the cards that have been flicked, and it is the next player's turn.
3. If a player's card lands face down, it is the next player's turn.
4. Play for a set time or until one player has all of the cards.

R13 Fruit Salad Math Facts

Review
Multiplication Facts (any)

Materials
- ✓ assorted fruits (apple slices, grapes, strawberries, orange slices, etc.)
- ✓ paper and pencil

Set Up
Prepare a fruit salad recipe for your student, using math facts to show how many of each ingredient they will need (see example below). Measure out the ingredients beforehand to make sure you have enough of each!

1. First, have your student solve each math fact to find the product and write the answer on the recipe card. This represents the exact quantity of each ingredient that must be added to the salad.
2. Once your student has figured out how many of each ingredient is needed, it is time to add the ingredients to the salad. (Be sure to monitor your student closely if you choose to have them cut any ingredients!)
3. Now your family can enjoy the healthy snack that you made using multiplication!

Some helpful tips for this activity:
- You can increase the quantity of certain ingredients by cutting them into smaller pieces, too!
- Feel free to use whatever ingredients you have at home. The ingredients provided are meant only to serve as examples.
- If your student or someone in your family has fruit allergies, you can adapt this activity to create a trail mix instead!

Fruit Salad Recipe
5 × 6 diced apple pieces
8 × 7 blueberries
10 × 3 grapes
4 × 9 strawberries (cut into halves)

Math Fact (Quantity)	**Ingredient**
5 × 6 = 30	diced apple pieces
× =	
× =	
× =	

R14 Mathsketball

Review
Multiplication Facts (any)

Materials
- small pieces of scrap paper
- pencil
- basket, bucket, or bin

Set Up
Write several Facts Known on individual pieces of scrap paper, then crumple them up. Place the basket against the wall on one side of the room.

1. Have your student walk around the room, and "pass" them the crumpled up math fact (like a basketball).
2. When they catch it, your student must stand still, unfold the paper, read the math fact, and say the fact aloud (e.g., seven times seven equals forty-nine").
3. When your student has correctly answered the fact, they must once again crumple up the fact into a "basketball" and attempt to shoot it into the basket **from where they are standing**.
4. If your student misses, you must "pass" the fact back to them, and they must say the fact aloud again **each time** they take another shot.
5. Once your student successfully makes it into the basket, pass them another Fact Known until all facts have been practiced and all "baskets" have been made.