



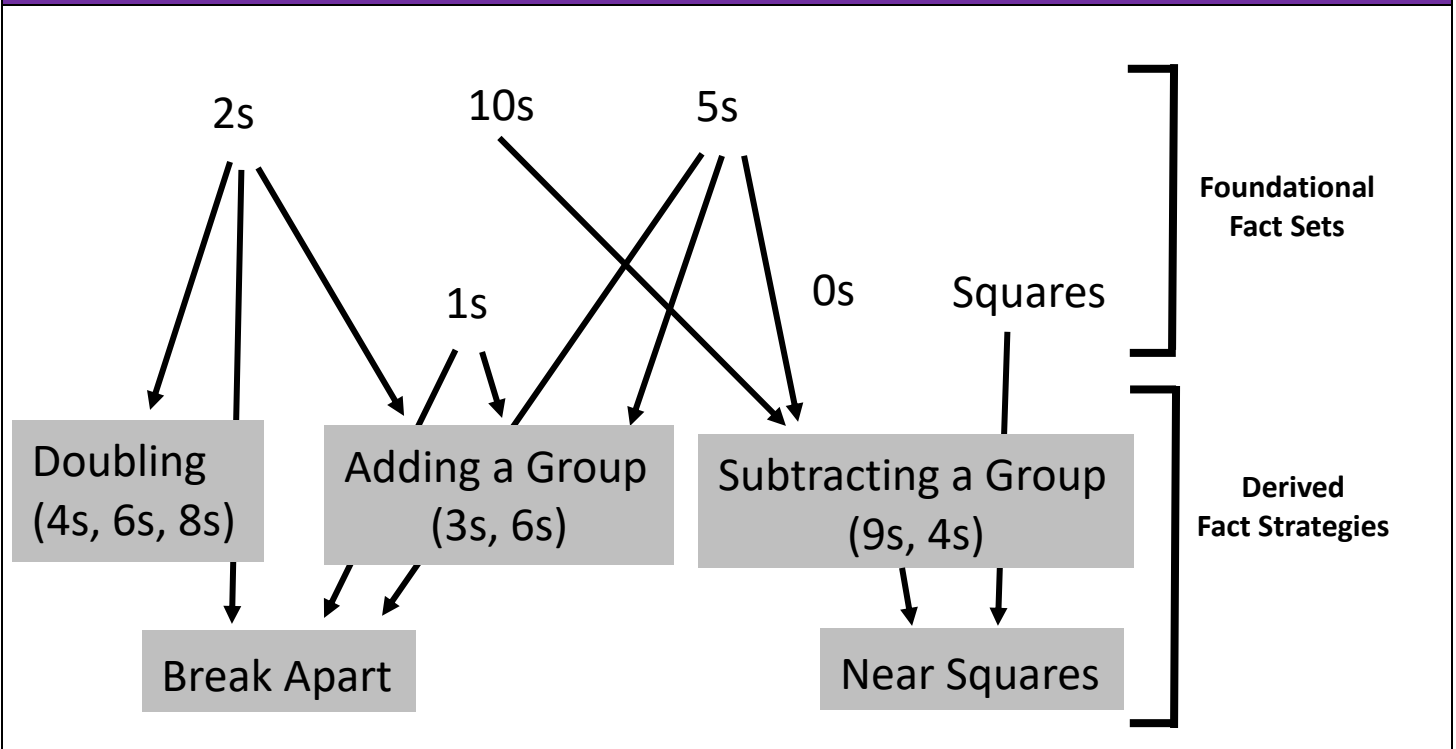
### About Charting Each Student's Basic Fact Mastery:

Basic math fact fluency can be charted using the **Multiplication Fact Fluency Learning Progression** shown below. If you are teaching in a grade that requires mastery of math facts, then the full flexible learning progression can be copied and laminated for each student. You can use the progressions for documentation throughout the year and for discussions with parents about their child's progress.

Here are some notes for you as you use the Progress Monitoring Tool for Multiplication Facts:

- This Progress Monitoring Tool is based on the Multiplication Fact Fluency Flexible Learning Progression.
- Layout communicates the developmental nature of fact fluency.
- Helps students monitor progress towards mastery.
- You may wish to record the month of mastery or use different colors for each marking period.
- You can record the specific facts that fall in each phase which can be noted for follow-up.
- This Progress Monitoring Tool allows us to say, "This student knows these facts with automaticity, can use these strategies (with or without automaticity), and is now working on these facts or strategies."
- This chart is a great tool to share with parents.

## Multiplication Fact Fluency Flexible Learning Progression





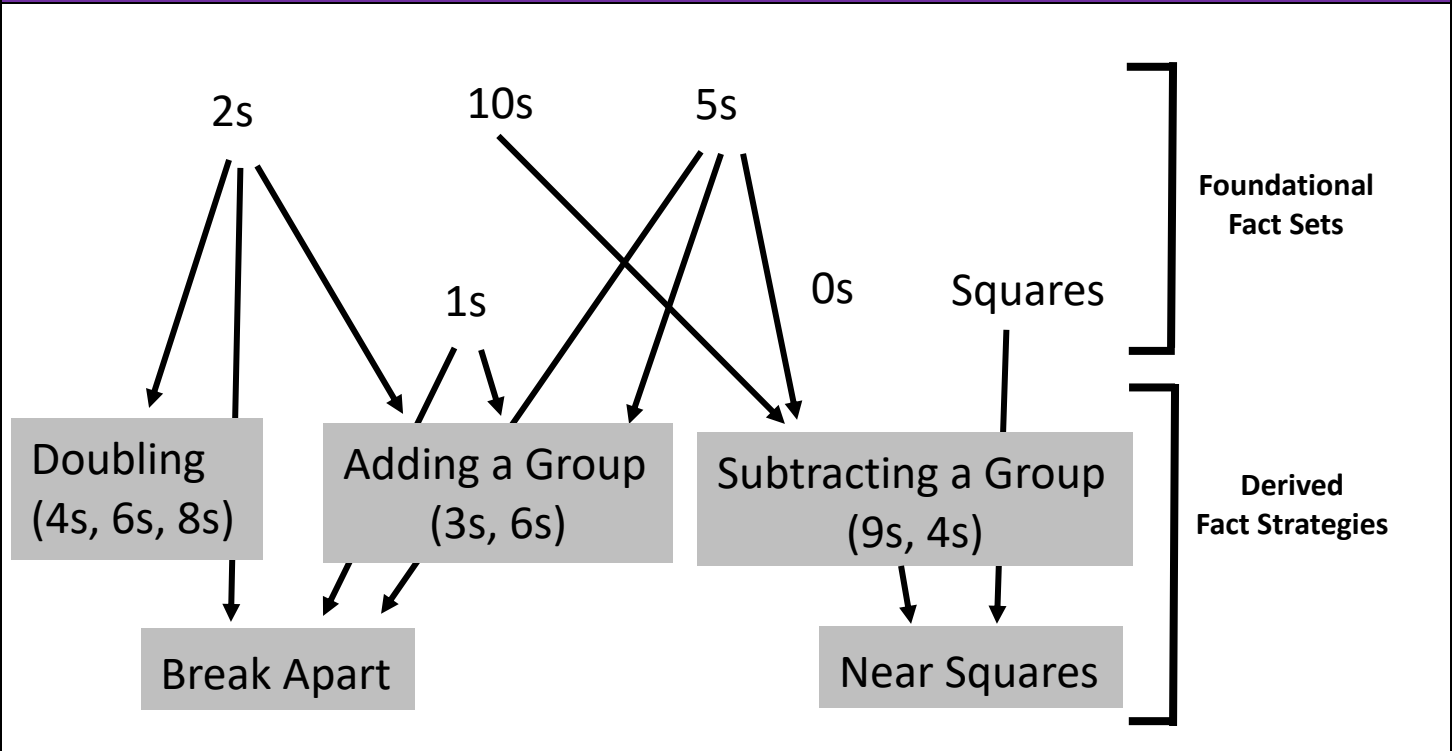
# Progress Monitoring Tool for Multiplication Facts

Tool 26 from *Math Fact Fluency*

| Name: _____                 |                    |     |    |    |    |         |             |    |    |    |    |    |
|-----------------------------|--------------------|-----|----|----|----|---------|-------------|----|----|----|----|----|
|                             | Foundational Facts |     |    |    |    |         | Other Facts |    |    |    |    |    |
|                             | x2                 | x10 | x5 | x1 | x0 | Squares | x3          | x4 | x6 | x7 | x8 | x9 |
| Phase 1:<br>Skip Counts     |                    |     |    |    |    |         |             |    |    |    |    |    |
| Phase 2:<br>Uses Strategies |                    |     |    |    |    |         |             |    |    |    |    |    |
| Phase 3:<br>Automatic       |                    |     |    |    |    |         |             |    |    |    |    |    |



## Multiplication Fact Fluency Flexible Learning Progression





Foundational Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x 2

|                |                 |
|----------------|-----------------|
| $2 \times 0 =$ | $2 \times 6 =$  |
| $2 \times 1 =$ | $2 \times 7 =$  |
| $2 \times 2 =$ | $2 \times 8 =$  |
| $2 \times 3 =$ | $2 \times 9 =$  |
| $2 \times 4 =$ | $2 \times 10 =$ |
| $2 \times 5 =$ |                 |



Foundational Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x 10

|                 |                  |
|-----------------|------------------|
| $10 \times 0 =$ | $10 \times 6 =$  |
| $10 \times 1 =$ | $10 \times 7 =$  |
| $10 \times 2 =$ | $10 \times 8 =$  |
| $10 \times 3 =$ | $10 \times 9 =$  |
| $10 \times 4 =$ | $10 \times 10 =$ |
| $10 \times 5 =$ |                  |



Foundational Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x 5

|                |                 |
|----------------|-----------------|
| $5 \times 0 =$ | $5 \times 6 =$  |
| $5 \times 1 =$ | $5 \times 7 =$  |
| $5 \times 2 =$ | $5 \times 8 =$  |
| $5 \times 3 =$ | $5 \times 9 =$  |
| $5 \times 4 =$ | $5 \times 10 =$ |
| $5 \times 5 =$ |                 |



Foundational Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x 1

|                |                 |
|----------------|-----------------|
| $1 \times 0 =$ | $1 \times 6 =$  |
| $1 \times 1 =$ | $1 \times 7 =$  |
| $1 \times 2 =$ | $1 \times 8 =$  |
| $1 \times 3 =$ | $1 \times 9 =$  |
| $1 \times 4 =$ | $1 \times 10 =$ |
| $1 \times 5 =$ |                 |



Foundational Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x 0

|                |                 |
|----------------|-----------------|
| $0 \times 0 =$ | $0 \times 6 =$  |
| $0 \times 1 =$ | $0 \times 7 =$  |
| $0 \times 2 =$ | $0 \times 8 =$  |
| $0 \times 3 =$ | $0 \times 9 =$  |
| $0 \times 4 =$ | $0 \times 10 =$ |
| $0 \times 5 =$ |                 |





Foundational Fact Cards for Progress Monitoring Tool for Multiplication Facts  
focused on Squares

$1 \times 1 =$

$6 \times 6 =$

$2 \times 2 =$

$7 \times 7 =$

$3 \times 3 =$

$8 \times 8 =$

$4 \times 4 =$

$9 \times 9 =$

$5 \times 5 =$

$10 \times 10 =$



Derived Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x3

|                |                 |
|----------------|-----------------|
| $3 \times 0 =$ | $3 \times 6 =$  |
| $3 \times 1 =$ | $3 \times 7 =$  |
| $3 \times 2 =$ | $3 \times 8 =$  |
| $3 \times 3 =$ | $3 \times 9 =$  |
| $3 \times 4 =$ | $3 \times 10 =$ |
| $3 \times 5 =$ |                 |



Derived Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x4

|                |                 |
|----------------|-----------------|
| $4 \times 0 =$ | $4 \times 6 =$  |
| $4 \times 1 =$ | $4 \times 7 =$  |
| $4 \times 2 =$ | $4 \times 8 =$  |
| $4 \times 3 =$ | $4 \times 9 =$  |
| $4 \times 4 =$ | $4 \times 10 =$ |
| $4 \times 5 =$ |                 |



Derived Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x6

|                |                 |
|----------------|-----------------|
| $6 \times 0 =$ | $6 \times 6 =$  |
| $6 \times 1 =$ | $6 \times 7 =$  |
| $6 \times 2 =$ | $6 \times 8 =$  |
| $6 \times 3 =$ | $6 \times 9 =$  |
| $6 \times 4 =$ | $6 \times 10 =$ |
| $6 \times 5 =$ |                 |



Derived Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x7

|                |                 |
|----------------|-----------------|
| $7 \times 0 =$ | $7 \times 6 =$  |
| $7 \times 1 =$ | $7 \times 7 =$  |
| $7 \times 2 =$ | $7 \times 8 =$  |
| $7 \times 3 =$ | $7 \times 9 =$  |
| $7 \times 4 =$ | $7 \times 10 =$ |
| $7 \times 5 =$ |                 |



Derived Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x8

|                |                 |
|----------------|-----------------|
| $8 \times 0 =$ | $8 \times 6 =$  |
| $8 \times 1 =$ | $8 \times 7 =$  |
| $8 \times 2 =$ | $8 \times 8 =$  |
| $8 \times 3 =$ | $8 \times 9 =$  |
| $8 \times 4 =$ | $8 \times 10 =$ |
| $8 \times 5 =$ |                 |



Derived Fact Cards for Progress Monitoring Tool for Multiplication Facts focused on x9

|                |                 |
|----------------|-----------------|
| $9 \times 0 =$ | $9 \times 6 =$  |
| $9 \times 1 =$ | $9 \times 7 =$  |
| $9 \times 2 =$ | $9 \times 8 =$  |
| $9 \times 3 =$ | $9 \times 9 =$  |
| $9 \times 4 =$ | $9 \times 10 =$ |
| $9 \times 5 =$ |                 |