

PRINTABLE CARDS | AGES 6-8

Multiplication Practice Cards

See it. Build it. Solve it. Explain it.

These cards give children different ways to work with multiplication: build it, draw it, complete it, connect it, break it apart, and use it in a situation. The goal is not to race through the deck. The goal is to strengthen meaning, relationships, and flexible use of multiplication.

RECOMMENDED AGE
6-8
Age is a guide. Start with what the child genuinely understands.

HOW TO USE THE DECK
Choose a few cards. Start with a family that matches the child’s current understanding.
Let the child show the mathematics. Objects, drawings, arrays, and mental reasoning are all welcome.
Ask for an explanation when useful. Understanding why matters more than simply finishing the card.
If a card feels too difficult, step back. Return to a family that makes the multiplication more visible.

THE SIX CARD FAMILIES

BUILD IT	equal groups and objects	SEE IT	arrays and visual structure
COMPLETE IT	facts and missing values	CONNECT IT	related facts and relationships
BREAK IT APART	flexible decomposition	USE IT	multiplication in situations

A PMG PRINCIPLE
Children do not all enter multiplication at the same point. If the current task is beyond the edge of understanding, the best place to start is the beginning: the last idea that genuinely makes sense.

CARD FAMILY 1

Build It

Make multiplication visible with equal groups.

BUILD IT 01

MultiplicationFlip.com

Build 4 groups of 3.

Use counters, cubes, beans, buttons, or a drawing. How many are there altogether?

Write the multiplication equation.

BUILD IT 02

MultiplicationFlip.com

Build 5 groups of 6.

Make five equal groups. Keep the groups separate enough to see them clearly.

How many altogether?

BUILD IT 03

MultiplicationFlip.com

Show 3×7 .

Use objects or a drawing. Make the meaning of the multiplication easy to see.

How many groups? How many in each?

BUILD IT 04

MultiplicationFlip.com

Make 2 groups of 8. Then make 4 groups of 8.

Compare the two models. What changed? What stayed the same?

What happened to the total?

BUILD IT 05

MultiplicationFlip.com

Make a multiplication example with a total of 20.

Choose the number of equal groups and the number in each group.

Write your equation.

BUILD IT 06

MultiplicationFlip.com

Make 6 equal groups using 24 objects.

Share the objects equally among the six groups.

How many are in each group?

CARD FAMILY 2

See It

Use arrays to organize multiplication.

SEE IT 01

MultiplicationFlip.com

Draw an array for 3×5 .

Show three equal rows with five in each row.

Label the rows and columns.

SEE IT 02

MultiplicationFlip.com

Draw 4 rows of 6.

Organize the dots or squares into straight rows.

Write the multiplication equation.

SEE IT 03

MultiplicationFlip.com

An array has 5 rows with 4 in each row.

Sketch the array before calculating.

How many altogether?

SEE IT 04

MultiplicationFlip.com

Draw an array for 2×9 .

Now turn the paper or imagine rotating the array.

What multiplication fact do you see now?

SEE IT 05

MultiplicationFlip.com

Make two different rectangular arrays with a total of 12.

Both arrays must use all 12 dots or squares.

Write an equation for each.

SEE IT 06

MultiplicationFlip.com

Draw a rectangular array with 24 dots.

Can you make a different rectangle using the same 24 dots?

How many rectangles can you find?

CARD FAMILY 3

Complete It

Strengthen facts without losing the relationships.

COMPLETE IT 01

MultiplicationFlip.com

Complete the fact.

$$6 \times 4 = \square$$

How do you know?

COMPLETE IT 02

MultiplicationFlip.com

Find the missing factor.

$$5 \times \square = 35$$

What fact helps you?

COMPLETE IT 03

MultiplicationFlip.com

Find the missing factor.

$$\square \times 8 = 24$$

Show or explain your reasoning.

COMPLETE IT 04

MultiplicationFlip.com

Write a related fact.

You know $7 \times 3 = 21$. Write another multiplication equation with the same product and factors.

What relationship did you use?

COMPLETE IT 05

MultiplicationFlip.com

Turn addition into multiplication.

$$4 + 4 + 4 + 4 + 4 = \square \times \square$$

How many equal groups do you see?

COMPLETE IT 06

MultiplicationFlip.com

Make a product of 30.

Write two different multiplication equations whose product is 30.

Can you draw one of them?

CARD FAMILY 4

Connect It

Use a fact you know to reach another fact.

CONNECT IT 01

MultiplicationFlip.com

Use $5 \times 6 = 30$.

How could that known fact help you find 6×6 ?

Show the connection.

CONNECT IT 02

MultiplicationFlip.com

Turn it around.

You know $4 \times 7 = 28$. What is 7×4 ?

Why does the product stay the same?

CONNECT IT 03

MultiplicationFlip.com

Double a known fact.

You know $3 \times 8 = 24$. How could that help you find 6×8 ?

What did you double?

CONNECT IT 04

MultiplicationFlip.com

Use 10 groups.

You know $10 \times 7 = 70$. How could that help you find 9×7 ?

What needs to be removed?

CONNECT IT 05

MultiplicationFlip.com

Add one more group.

You know $5 \times 9 = 45$. How could that help you find 6×9 ?

What is one more group of 9?

CONNECT IT 06

MultiplicationFlip.com

Choose your own connection.

Write a multiplication fact you know well. Then write another fact it could help you solve.

Explain the link.

CARD FAMILY 5

Break It Apart

Split a harder fact into friendlier parts.

BREAK IT APART 01

MultiplicationFlip.com

Use $5 + 2$.

Find 7×6 by thinking of 7 groups as 5 groups and 2 groups.

Write both partial products.

BREAK IT APART 02

MultiplicationFlip.com

Use $5 + 3$.

Find 4×8 by breaking 8 into 5 and 3.

Combine the two parts.

BREAK IT APART 03

MultiplicationFlip.com

Use 10 as a friendly number.

Find 9×6 by starting with 10×6 .

What must you adjust?

BREAK IT APART 04

MultiplicationFlip.com

Use a double.

Find 8×7 by using a smaller fact that can be doubled.

Which smaller fact did you choose?

BREAK IT APART 05

MultiplicationFlip.com

Find two routes.

Solve 6×8 in two different ways.

Which route made more sense to you?

BREAK IT APART 06

MultiplicationFlip.com

Choose and break.

Choose one: 7×6 , 8×9 , or 6×7 . Break one factor into parts that help you.

Show your route.

CARD FAMILY 6

Use It

Recognize multiplication inside a situation.

USE IT 01

MultiplicationFlip.com

Strawberries on plates.

There are 4 plates. Each plate has 6 strawberries. How many strawberries are there altogether?

Draw or write an equation.

USE IT 02

MultiplicationFlip.com

Pencils for children.

Five children each have 3 pencils. How many pencils are there altogether?

Show the equal groups.

USE IT 03

MultiplicationFlip.com

Books on shelves.

A bookcase has 7 rows with 5 books in each row. How many books are there?

What multiplication fact matches the story?

USE IT 04

MultiplicationFlip.com

Arrange 24 counters.

Arrange 24 counters into equal groups in two different ways.

Write a multiplication equation for each.

USE IT 05

MultiplicationFlip.com

A garden array.

A garden has 6 rows with 8 plants in each row. Draw the garden before solving.

How many plants are there?

USE IT 06

MultiplicationFlip.com

Create your own story.

Write a short multiplication story for 4×7 . Give it to someone else to solve.

Does the story show equal groups or an array?