



Grade 1 Maths

Multiplication Foundations

Fun • Visual • Hands-on • Confidence Building

What you'll practise

Equal groups • Repeated addition • Arrays • Skip counting • Simple multiplication stories

Name: _____

Date: _____

Teacher Answer Key included

Equal Groups

Multiplication starts with making equal groups.

1. Circle the rows where **every group has the same number** of objects.

A	■ ■ ■ ■ ■ ■
B	■ ■ ■ ■ ■ ■ ■ ■
C	■ ■ ■ ■ ■ ■ ■ ■ ■
D	■ ■ ■ ■ ■

2. Complete the sentences.

a	3 groups of 2 = _____ objects
b	2 groups of 5 = _____ objects
c	4 groups of 3 = _____ objects
d	5 groups of 2 = _____ objects

Repeated Addition

Add equal groups to find the total.

Groups	Repeated addition	Total
3 groups of 2	$2 + 2 + 2$	_____
4 groups of 3	$3 + 3 + 3 + 3$	_____
2 groups of 5	$5 + 5$	_____
5 groups of 2	$2 + 2 + 2 + 2 + 2$	_____

2. Draw the groups, then write the repeated addition.

a	2 groups of 4	Draw: _____	Addition: _____
b	3 groups of 3	Draw: _____	Addition: _____
c	4 groups of 2	Draw: _____	Addition: _____

Arrays

An array is a neat arrangement in rows and columns.

1. Count each array. Write the number of rows, the number in each row, and the total.

A		Rows: ____ In each row: ____ Total: ____
B		Rows: ____ In each row: ____ Total: ____
C		Rows: ____ In each row: ____ Total: ____

2. Draw an array for: **3 rows of 2.**

3. Draw an array for: **2 rows of 5.**

Count in 2s, 5s & 10s

Skip counting helps us count equal groups quickly.

Count in 2s	2	4	_____	_____	10	_____	_____	16	_____	20
Count in 5s	5	10	_____	20	_____	30	_____	40	_____	50
Count in 10s	10	20	_____	40	_____	60	_____	80	_____	100

2. Choose the correct skip-counting rule: 2s, 5s or 10s.

a	10, 20, 30, 40, 50	2s / 5s / 10s
b	5, 10, 15, 20, 25	2s / 5s / 10s
c	2, 4, 6, 8, 10	2s / 5s / 10s

Build a Multiplication Sentence

Turn equal groups into a simple multiplication sentence.

Equal groups	Multiplication sentence	Answer
2 groups of 3	$2 \times 3 =$ _____	_____
3 groups of 2	$3 \times 2 =$ _____	_____
4 groups of 5	$4 \times 5 =$ _____	_____
5 groups of 2	$5 \times 2 =$ _____	_____
2 groups of 5	$2 \times 5 =$ _____	_____

2. Write a multiplication sentence for each picture. The vertical line shows the equal groups.

● ● ● ● ● ●	_____
★ ★ ★ ★ ★ ★ ★ ★	_____
■ ■ ■ ■ ■ ■ ■ ■ ■ ■	_____

Missing Numbers

Use equal groups and skip counting to help you.

a	$2 \times \underline{\quad} = 8$
b	$3 \times 2 = \underline{\quad}$
c	$\underline{\quad} \times 5 = 20$
d	$5 \times \underline{\quad} = 10$
e	$\underline{\quad} \times 2 = 6$
f	$4 \times \underline{\quad} = 20$
g	$\underline{\quad} \times 10 = 30$
h	$2 \times \underline{\quad} = 10$

2. Complete the fact families.

$2 + 2 + 2 = 6$	$3 \times 2 = 6$	$2 \times 3 = \underline{\quad}$
$5 + 5 = 10$	$2 \times 5 = 10$	$5 \times 2 = \underline{\quad}$

Multiplication in Real Life

Read each story carefully. Draw equal groups if you need help.

1. There are 3 plates. Each plate has 2 cookies. How many cookies are there altogether? _____
2. A toy box has 4 rows with 2 cars in each row. How many cars are there? _____
3. Mia has 2 bags. Each bag has 5 pencils. How many pencils does she have? _____
4. There are 5 children. Each child gets 2 stickers. How many stickers are needed? _____
5. A farmer puts 3 eggs in each basket. He fills 2 baskets. How many eggs are there? _____
6. Choose one story above and draw its equal groups.

Compare the Groups

Look carefully. Which group has more, or are they equal?

A	3 groups of 2	2 groups of 5	Answer: _____
B	4 groups of 2	3 groups of 2	Answer: _____
C	2 groups of 5	5 groups of 2	Answer: _____
D	3 groups of 3	2 groups of 4	Answer: _____

Write **more**, **less** or **equal**.

a	2×5	_____	5×2
b	3×2	_____	2×2
c	4×2	_____	2×4

Super Multiplication Foundations Challenge

Show what you know!

1	There are 4 groups of 2 stars. How many stars? _____
2	Complete: $5 + 5 + 5 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$
3	Which is greater: 3×2 or 2×5 ? _____
4	Draw an array for 3×4 .
5	A teacher has 5 tables. There are 2 children at each table. How many children? _____
6	Mystery number: I am 2 groups of 5. What number am I? _____
7	Make 10 in two different ways using multiplication: $1 \times 10 = 10$ and $2 \times 5 = 10$.

■ Confidence Check

I can make equal groups.	■ Yes ■ Almost ■ I need more practice
I can use repeated addition.	■ Yes ■ Almost ■ I need more practice
I can read simple multiplication sentences.	■ Yes ■ Almost ■ I need more practice

Teacher Answer Key

Answers for Pages 2–10.

Page 2 – Equal Groups

1: A and C. 2: a) 6 b) 10 c) 12 d) 10.

Page 3 – Repeated Addition

1: 6, 12, 10, 10. 2: a) $4+4=8$ b) $3+3+3=9$ c) $2+2+2+2=8$.

Page 4 – Arrays

A: 2 rows, 3 in each, 6. B: 3 rows, 2 in each, 6. C: 2 rows, 4 in each, 8. Drawings: 3 rows of 2; 2 rows of 5.

Page 5 – Skip Counting

2s: 6, 8, 12, 14, 18. 5s: 15, 25, 35, 45. 10s: 30, 50, 70, 90. Rules: a) 10s b) 5s c) 2s.

Page 6 – Multiplication Sentences

1: 6, 6, 20, 10, 10. 2: $2 \times 3 = 6$; $2 \times 4 = 8$; $2 \times 5 = 10$.

Page 7 – Missing Numbers

a) 4 b) 6 c) 4 d) 2 e) 3 f) 5 g) 3 h) 5. Fact families: $2 \times 3 = 6$; $5 \times 2 = 10$.

Page 8 – Real Life

1) 6 2) 8 3) 10 4) 10 5) 6. Drawing answers will vary.

Page 9 – Compare the Groups

A: 2 groups of 5. B: 4 groups of 2. C: Equal. D: 3 groups of 3. Comparisons: a) equal b) more c) equal.

Page 10 – Super Challenge

1) 8 2) $3 \times 5 = 15$ 3) 2×5 is greater 4) 3 rows of 4 = 12 5) 10 6) 10 7) 1×10 and 2×5 .