

Multiplication

A fun and colourful worksheet pack



GROUPS • ARRAYS • FACTS

Think • Multiply • Solve

$$2 \times 5 \\ = 10$$

Skills in this pack

- Understand multiplication as equal groups
- Use repeated addition
- Read and complete arrays
- Practise $\times 2$, $\times 5$ and $\times 10$ facts
- Solve simple multiplication problems
- Use multiplication thinking in real-life situations

Name: _____ Date: _____

1. Equal Groups

Multiplication helps us count equal groups quickly.

Name: _____ Date: _____

Groups	Objects in each group	Repeated addition	Multiplication
3	2	$2 + 2 + 2$	$3 \times 2 = \underline{\quad}$
4	3	$3 + 3 + 3 + 3$	$4 \times 3 = \underline{\quad}$
5	2	$2 + 2 + 2 + 2 + 2$	$5 \times 2 = \underline{\quad}$
2	5	$5 + 5$	$2 \times 5 = \underline{\quad}$
3	5	$5 + 5 + 5$	$3 \times 5 = \underline{\quad}$
4	2	$2 + 2 + 2 + 2$	$4 \times 2 = \underline{\quad}$
5	3	$3 + 3 + 3 + 3 + 3$	$5 \times 3 = \underline{\quad}$
2	10	$10 + 10$	$2 \times 10 = \underline{\quad}$

Example: 3 groups of 4 = $4 + 4 + 4 = 3 \times 4 = 12$

2. Arrays

An array is a neat arrangement of objects in rows and columns.

Name: _____ Date: _____

Rows	Columns	Multiplication	Total
2	5	2×5	_____
3	4	3×4	_____
5	2	5×2	_____
4	3	4×3	_____
2	10	2×10	_____
10	3	10×3	_____

Draw an array: Draw 3 rows of 5 dots. How many dots altogether? _____

3. Repeated Addition → Multiplication

Turn repeated addition into a multiplication sentence.

Name: _____ Date: _____

Repeated addition	Multiplication sentence
$2 + 2 + 2 + 2$	_____ $\times$ _____ = _____
$5 + 5 + 5$	_____ $\times$ _____ = _____
$10 + 10 + 10 + 10$	_____ $\times$ _____ = _____
$3 + 3 + 3 + 3 + 3$	_____ $\times$ _____ = _____
$4 + 4$	_____ $\times$ _____ = _____
$2 + 2 + 2 + 2 + 2$	_____ $\times$ _____ = _____

Now write repeated addition:

a) $4 \times 5 =$ _____

b) $3 \times 2 =$ _____

c) $2 \times 10 =$ _____

4. Multiplication Facts: $\times 2$, $\times 5$ & $\times 10$

Complete the facts. Use skip counting if you need help.

Name: _____ Date: _____

$\times 2$	Answer	$\times 5$	Answer	$\times 10$	Answer
1×2	_____	1×5	_____	1×10	_____
2×2	_____	2×5	_____	2×10	_____
3×2	_____	3×5	_____	3×10	_____
4×2	_____	4×5	_____	4×10	_____
5×2	_____	5×5	_____	5×10	_____
6×2	_____	6×5	_____	6×10	_____
7×2	_____	7×5	_____	7×10	_____
8×2	_____	8×5	_____	8×10	_____
9×2	_____	9×5	_____	9×10	_____
10×2	_____	10×5	_____	10×10	_____

Quick check: $2 \times 7 =$ _____ $5 \times 6 =$ _____ $10 \times 9 =$ _____

5. Missing Numbers

Find the missing number in each multiplication fact.

Name: _____ Date: _____

Multiplication	Missing number
$2 \times \underline{\quad} = 14$	_____
$\underline{\quad} \times 5 = 25$	_____
$10 \times \underline{\quad} = 80$	_____
$\underline{\quad} \times 2 = 18$	_____
$5 \times \underline{\quad} = 40$	_____
$\underline{\quad} \times 10 = 60$	_____
$2 \times \underline{\quad} = 20$	_____
$\underline{\quad} \times 5 = 45$	_____
$10 \times \underline{\quad} = 100$	_____
$\underline{\quad} \times 2 = 16$	_____

Challenge: $\underline{\quad} \times 5 = 30$. What is the missing number? _____

6. Choose the Correct Answer

Circle or tick the answer you think is correct.

Name: _____ Date: _____

1. 4 groups of 2 = ☐ 6 ☐ 8 ☐ 10

2. $5 \times 5 =$ ☐ 10 ☐ 20 ☐ 25

3. $10 \times 7 =$ ☐ 17 ☐ 70 ☐ 107

4. $3 \times 5 =$ ☐ 8 ☐ 15 ☐ 20

5. Which is the same as $2 + 2 + 2 + 2$? ☐ 2×4 ☐ 4×4 ☐ 2×2

6. Which is the same as $5 + 5 + 5$? ☐ 3×5 ☐ 5×5 ☐ 2×5

7. $2 \times 9 =$ ☐ 11 ☐ 18 ☐ 20

8. $10 \times 4 =$ ☐ 14 ☐ 40 ☐ 100

7. Multiplication Word Problems

Read, choose the operation, write a multiplication sentence and solve.

Name: _____ Date: _____

1. Sam has 4 bags. There are 5 marbles in each bag. How many marbles are there altogether?

Multiplication sentence: _____

Answer: _____

2. There are 3 tables. Each table has 2 children. How many children are there?

Multiplication sentence: _____

Answer: _____

3. A teacher puts 10 pencils in each of 6 boxes. How many pencils are there?

Multiplication sentence: _____

Answer: _____

4. Riya has 5 packets. Each packet has 4 stickers. How many stickers does she have?

Multiplication sentence: _____

Answer: _____

5. A garden has 2 rows of 8 flowers. How many flowers are there altogether?

Multiplication sentence: _____

Answer: _____

6. There are 5 plates with 3 biscuits on each plate. How many biscuits are there?

Multiplication sentence: _____

Answer: _____

8. True or False?

Think carefully. Correct the false statements.

Name: _____ Date: _____

1. $2 \times 5 = 10$. ☐ True ☐ False

2. $5 \times 4 = 15$. ☐ True ☐ False

3. $10 \times 6 = 60$. ☐ True ☐ False

4. $3 \times 2 = 6$. ☐ True ☐ False

5. $4 \times 5 = 25$. ☐ True ☐ False

6. $2 \times 9 = 18$. ☐ True ☐ False

7. $5 \times 7 = 35$. ☐ True ☐ False

8. $10 \times 8 = 18$. ☐ True ☐ False

Correct the false statements:

9. Super Multiplication Challenge!

Show what you know. Some questions need more than one step of thinking.

Name: _____ Date: _____

1. There are 4 groups of 5. How many altogether? _____
2. What number is 5 groups of 10? _____
3. I am a number in the $\times 2$ table. I am greater than 12 and less than 18. What could I be?

4. I am in the $\times 5$ table. I am between 20 and 30. What could I be? _____
5. Write two different multiplication sentences that equal 20: _____ and _____
6. Mia says 3×5 and 5×3 have the same answer. Is she correct? _____
7. Draw an array for 2×6 . How many objects will you draw? _____
8. A teacher has 10 boxes with 5 crayons in each. How many crayons? _____

MY CONFIDENCE CHECK

I understand equal groups. ☐ Yes ☐ Almost ☐ I need more practice

I can use arrays and repeated addition. ☐ Yes ☐ Almost ☐ I need more practice

I know my $\times 2$, $\times 5$ and $\times 10$ facts. ☐ Yes ☐ Almost ☐ I need more practice

Teacher Answer Key

Suggested answers for quick checking.

1. Equal Groups

$3 \times 2 = 6$; $4 \times 3 = 12$; $5 \times 2 = 10$; $2 \times 5 = 10$; $3 \times 5 = 15$; $4 \times 2 = 8$; $5 \times 3 = 15$; $2 \times 10 = 20$.

2. Arrays

$2 \times 5 = 10$; $3 \times 4 = 12$; $5 \times 2 = 10$; $4 \times 3 = 12$; $2 \times 10 = 20$; $10 \times 3 = 30$. Drawn array: 3 rows of 5 = 15.

3. Repeated Addition

$2+2+2+2 = 4 \times 2 = 8$; $5+5+5 = 3 \times 5 = 15$; $10+10+10+10 = 4 \times 10 = 40$; $3+3+3+3+3 = 5 \times 3 = 15$; $4+4 = 2 \times 4 = 8$; $2+2+2+2+2 = 5 \times 2 = 10$. Extra: $4 \times 5 = 5+5+5+5$; $3 \times 2 = 2+2+2$; $2 \times 10 = 10+10$.

4. $\times 2$, $\times 5$, $\times 10$

$\times 2$: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20. $\times 5$: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50. $\times 10$: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100.

5. Missing Numbers

7; 5; 8; 9; 8; 6; 10; 9; 10; 8. Challenge: 6.

6. Choose

1) 8. 2) 25. 3) 70. 4) 15. 5) 2×4 . 6) 3×5 . 7) 18. 8) 40.

7. Word Problems

1) $4 \times 5 = 20$. 2) $3 \times 2 = 6$. 3) $10 \times 6 = 60$. 4) $5 \times 4 = 20$. 5) $2 \times 8 = 16$. 6) $5 \times 3 = 15$.

8. True/False

1 True; 2 False $\rightarrow 5 \times 4 = 20$; 3 True; 4 True; 5 False $\rightarrow 4 \times 5 = 20$; 6 True; 7 True; 8 False $\rightarrow 10 \times 8 = 80$.

9. Super Challenge

1) 20. 2) 50. 3) Possible: 14 or 16. 4) 25. 5) Answers vary, e.g. 4×5 and 2×10 . 6) Yes. 7) 12. 8) 50.