

Grade 3 - Multiplication and Division Facts Within 100 - Answer Key

Common Core 3.OA.C.7 · maths-pdf.fr/en/

This **multiplication facts answers** for 3rd Grade covers multiplication and division facts within 100 (Common Core 3.OA.C.7), with a free PDF to print.

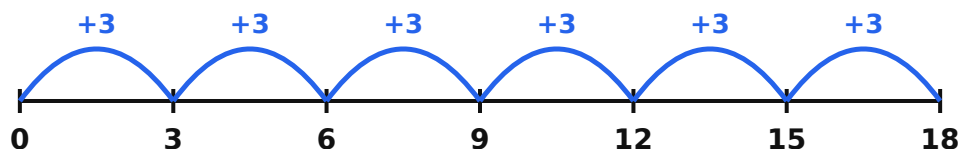
Each solution names the strategy that finds the fact quickly. Compare your thinking with the one shown, and then try the same fact again without looking to build speed.

Grade 3 · Common Core State Standards: **3.OA.C.7**

Multiplication facts answers: exercises 1 to 10

Exercise 1 - Skip count by 3

Count by 3: 3, 6, 9, 12, 15, 18. The hidden numbers are 12, 15, and 18. Six hops of 3 land on 18.



The completed number line.

$$3 \times 6 = 18$$

Exercise 2 - Fives

Count by 5: 5, 10, 15, 20, 25, 30, 35.

$$5 \times 7 = 35$$

Exercise 3 - Doubles

Double 9: $9 + 9 = 18$.

$$2 \times 9 = 18$$

Exercise 4 - Tens

Each group is 10, so 8 groups make 80.

$$8 \times 10 = 80$$

Exercise 5 - Nines

The tens digit is $5-1=4$. The ones digit makes the digits add to 9, so it is 5. Check: $4+5=9$.
 $9 \times 5 = 45$

Exercise 6 - Threes

Double 7 is 14. Add one more 7: $14+7=21$.
 $3 \times 7 = 21$

Exercise 7 - Square fact

Six groups of 6 make 36.
 $6 \times 6 = 36$

Exercise 8 - Fours

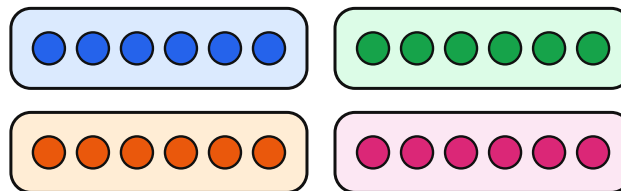
Double 7: $7+7=14$. Double 14: $14+14=28$.
 $4 \times 7 = 28$

Exercise 9 - Eights

Double 8 is 16, double 16 is 32, and double 32 is 64.
 $8 \times 8 = 64$

Exercise 10 - Share equally

Think: 4 times what number is 24? $4 \times 6 = 24$.



4 groups of 6 make 24.

$$24 \div 4 = 6$$

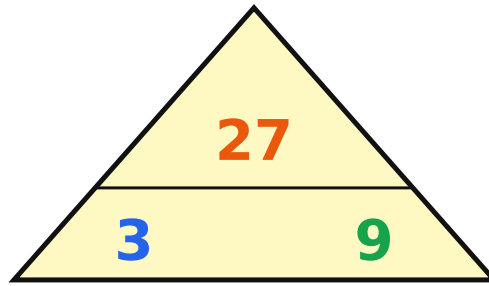
Exercises 11 and up

Exercise 11 - Missing factor

Think $48 \div 6$. $6 \times 8 = 48$.
 $n = 8$

Exercise 12 - Fact family

The top number is the product: $3 \times 9 = 27$.



The completed triangle.

The four facts are $3 \times 9 = 27$, $9 \times 3 = 27$, $27 \div 3 = 9$, and $27 \div 9 = 3$.

Top number: 27

Exercise 13 - Divide by 9

Think: 9 times what number is 63? $9 \times 7 = 63$.
 $63 \div 9 = 7$

Exercise 14 - Use a known fact

6×8 is one more group of 8 than 5×8 . $40 + 8 = 48$.
 $6 \times 8 = 48$

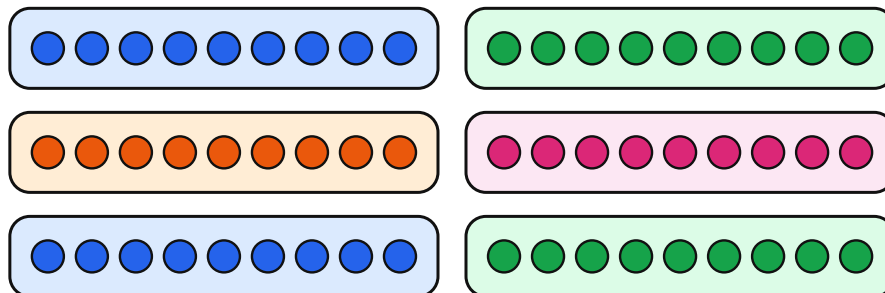
Exercise 15 - Little League teams

$6 \times 8 = 48$. Use $5 \times 8 = 40$ and add 8 more.

48 players

Exercise 16 - Sticker book

$54 \div 6 = 9$ because $6 \times 9 = 54$.



6 pages with 9 stickers each.

9 stickers

Exercise 17 - Snack bags

Nines trick: the tens digit is $7-1=6$ and the digits add to 9, so the ones digit is 3. Check $7 \times 9 = 63$.

63 crackers

Exercise 18 - Peach baskets

Think $8 \times n = 72$. $8 \times 9 = 72$, so $72 \div 8 = 9$.

9 baskets

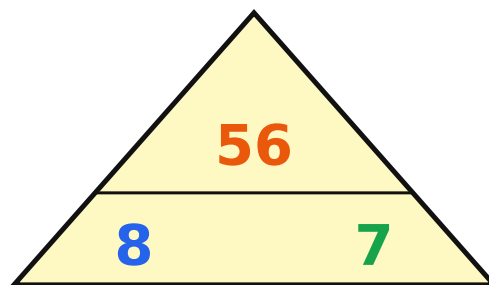
Exercise 19 - Flower rows

$7 \times 6 = 42$. A division fact is $42 \div 7 = 6$ or $42 \div 6 = 7$.

42 flowers

Exercise 20 - Paper cups

Find the missing factor: $7 \times 8 = 56$, so there are 8 rows.



Fact family triangle for 7, 8, and 56.

The fact family is $8 \times 7 = 56$, $7 \times 8 = 56$, $56 \div 8 = 7$, and $56 \div 7 = 8$.

8 rows

Key facts behind this multiplication facts answers

Key facts

- A fact family uses three numbers: 6, 7, and 42 make $6 \times 7 = 42$, $7 \times 6 = 42$, $42 \div 6 = 7$, and $42 \div 7 = 6$.
- Division is finding a missing factor: $42 \div 7$ asks 7 times what number is 42.
- Products of 5 end in 0 or 5, and the digits of a product of 9 add to 9.
- Doubles help with 2s and 4s. Add one more group to move from a known fact to the next one.

- Fluency means knowing the facts from memory, quickly and correctly.

How to use this multiplication facts answers

Cover each solution, solve the exercise again, then uncover it and compare every line. If your answer differs, find the first step that changed and redo the exercise from there.

Download the multiplication facts answers as a PDF with the button below and keep it with your notes.