

Grade 2 · Fluency Within 20, Even and Odd Numbers · Worksheet Answer Key

Common Core 2.OA.B.2, 2.OA.C.3 · mathovore.fr

Every problem is solved step by step below. Compare each strategy with your own work, and look for the make-a-ten and doubles ideas when a fact feels hard.

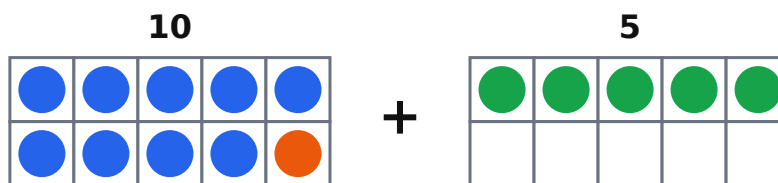
Grade 2 Common Core: 2.OA.B.2 · 2.OA.C.3

Problem 1: Doubles facts

- a. $4+4=8$
- b. $6+6=12$
- c. $8+8=16$
- d. $9+9=18$

Problem 2: Make a ten with frames

Move 1 dot from the 6 to the 9. The left frame is full (10) and 5 dots are left.



After moving 1 dot: 10 and 5.

$10+5=15$, so $9+6=15$.

Problem 3: Add facts

- a. $8+3=11$
- b. $7+4=11$
- c. $9+5=14$
- d. $6+9=15$

Problem 4: Near doubles

- a. $6+6=12$, one more is 13
- b. $8+8=16$, one more is 17

- c. $5+5=10$, one more is 11
- d. $7+7=14$, one more is 15

Problem 5: Count on

- a. $14+3=17$
- b. $15+4=19$
- c. $16+2=18$
- d. $17+3=20$

Problem 6: Missing addend

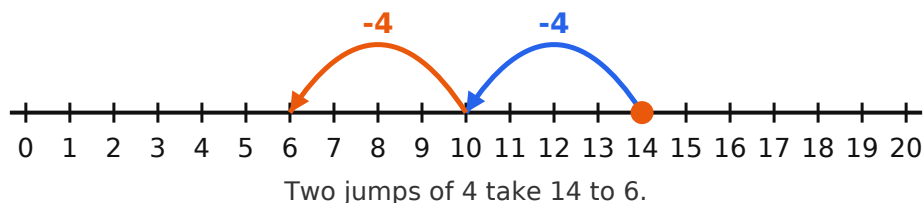
- a. 6: $8+6=14$
- b. 5: $7+5=12$
- c. 8: $9+8=17$
- d. 9: $6+9=15$

Problem 7: Subtract facts

- a. $12-5=7$
- b. $15-9=6$
- c. $13-6=7$
- d. $17-8=9$

Problem 8: Count back on a number line

Jump back 4 to reach 10, then back 4 more to reach 6.



$$14-8=6$$

Problem 9: Subtract through ten

- a. $15-5=10$, then $10-2=8$. $15-7=8$
- b. $16-6=10$, then $10-3=7$. $16-9=7$
- c. $14-4=10$, then $10-1=9$. $14-5=9$
- d. $18-8=10$, then $10-1=9$. $18-9=9$

Problem 10: Missing number in subtraction

- a. 7: $16 - 7 = 9$
- b. 8: $13 - 8 = 5$
- c. 15: $15 - 6 = 9$
- d. 16: $16 - 4 = 12$

Problem 11: Fact family

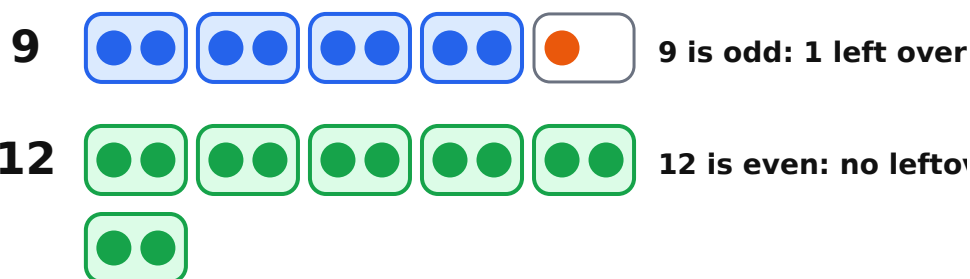
$7 + 8 = 15$, $8 + 7 = 15$, $15 - 7 = 8$, $15 - 8 = 7$

Problem 12: Even or odd

- a. 6 is **even**
- b. 11 is **odd**
- c. 14 is **even**
- d. 17 is **odd**
- e. 20 is **even**

Problem 13: Pair the dots

Nine makes 4 pairs and 1 left over, so 9 is **odd**. Twelve makes 6 pairs with none left, so 12 is **even**.



Nine is odd. Twelve is even.

Problem 14: Skip count by 2

Keep jumping by 2: **6, 10, 14, 18**. All of these numbers are even.

Problem 15: Equal addends

- a. $10 = 5 + 5$
- b. $14 = 7 + 7$
- c. $18 = 9 + 9$
- d. $6 = 3 + 3$

Problem 16: Double plus one

- a. $13 = 6 + 6 + 1$
- b. $9 = 4 + 4 + 1$
- c. $17 = 8 + 8 + 1$

Problem 17: Odd one out

- a. 13 is odd. The others are even.
- b. 12 is even. The others are odd.

Problem 18: Doubles are even

- a. $5 + 5 = 10$, **even**
- b. $8 + 8 = 16$, **even**
- c. $9 + 9 = 18$, **even**

A double always splits into two equal groups, so it is always even.

Problem 19: Stickers

Add the two parts: $8 + 7 = 15$. (Make a ten: $8 + 2 = 10$, then $10 + 5 = 15$.)

Maya has **15 stickers**.

Problem 20: Bake sale cupcakes

Subtract: $15 - 5 = 10$, then $10 - 1 = 9$. So $15 - 6 = 9$.

There are **9 cupcakes** left.

Problem 21: Marbles

$9 + 9 = 18$, a double.

Liam has **18 marbles**. The number is **even**.

Problem 22: Throwing partners

$13 = 6 + 6 + 1$. That is 6 pairs and 1 player left over.

No. 13 is odd, so one player has no partner.

Problem 23: Tulips

$7+7=14$, then $14+4=18$.

There are **18 tulips**. 18 is **even**.

Problem 24: Sticker trade

$17-9=8$, then $8+6=14$.

Aisha has **14 stickers**, and $14=7+7$.