

Subtraction Within 10: practice solutions, Grade 1 – download the PDF

Written solutions to the chapter problems. Check each step, then correct yourself.

1 Cross out and count



- a) 2 stickers are crossed out, so 2 were used.
- b) We count the stickers that are not crossed out: there are 4 left.
- c) $6 - 2 = 4$. There are 4 stickers left.

2 Complete the facts



- a) $5 - 1 = 4$
- b) $8 - 0 = 8$ because taking away nothing changes nothing.
- c) $9 - 9 = 0$ because taking away everything leaves nothing.
- d) $7 - 2 = 5$
- e) $10 - 4 = 6$

3 Birds on a fence



Draw 8 circles. Cross out 3 of them. Count the circles that are not crossed out: there are 5.

$8 - 3 = 5$. There are 5 birds still on the fence.

4 Match the picture



The picture starts with 9 counters and 4 are crossed out, so we take away. The sentence is $9 - 4 = 5$.

$9 + 4 = 13$ adds counters, and $4 - 9$ starts with the smaller number. So only $9 - 4 = 5$ matches. There are 5 counters left.

5 Hop back on the number line



a) From 7 we hop back to 6, then 5, then 4. We land on 4.

b) $7 - 3 = 4$.

6 Marbles in a bag



The whole is 8 and one part is 3. We subtract: $8 - 3 = 5$.

Check with addition: $3 + 5 = 8$. There are 5 blue marbles.

7 True or false?



a) True: $6 - 2 = 4$.

b) False: taking away all 5 leaves 0, so $5 - 5 = 0$.

c) True: $9 - 1 = 8$.

d) False: $4 - 3 = 1$.

8 Cookies on a plate



We start with 10 and take away 4: $10 - 4 = 6$.

There are 6 cookies left.

9 Plus or minus?



- a) 7 gets smaller to 5, so it is minus: $7 - 2 = 5$.
- b) 7 is bigger than 4, so it is plus: $4 + 3 = 7$.
- c) 3 is smaller than 9, so it is minus: $9 - 6 = 3$.
- d) 10 is bigger than 2, so it is plus: $2 + 8 = 10$.

10 A fact family



The whole is 9 and the parts are 4 and 5.

Addition: $4 + 5 = 9$ and $5 + 4 = 9$.

Subtraction: $9 - 4 = 5$ and $9 - 5 = 4$.

11 Let addition help



- a) $7 + 3 = 10$, so $10 - 7 = 3$.
- b) $5 + 3 = 8$, so $8 - 5 = 3$.
- c) $4 + 2 = 6$, so $6 - 4 = 2$.

12 On the playground



We start with 9 and take away 6: $9 - 6 = 3$.

Check: $6 + 3 = 9$. There are 3 children still outside.

13 Find the hidden number



- a) $2 + 6 = 8$, so the box is 6: $8 - 6 = 2$.
- b) Put the 4 back: $3 + 4 = 7$. The box is 7: $7 - 4 = 3$.
- c) Nothing was taken away, so the box is 0: $10 - 0 = 10$.

14 Who has more left?



Leo: $9 - 5 = 4$ crayons.

Ana: $7 - 2 = 5$ crayons.

Since 5 is greater than 4, Ana has more crayons left.

15 How many at the start?



The sentence is $\square - 4 = 5$.

Put the 4 cars back: $5 + 4 = 9$. So $9 - 4 = 5$ is true. Sam had 9 cars at the start.

16 Find the mistake



a) When we take away, the group gets smaller. 8 is bigger than 6, so the answer cannot be 8. Ben added instead of subtracting.

b) The correct answer is $6 - 2 = 4$. Check: $4 + 2 = 6$.

17 The odd one out



The first three facts use only the numbers 2, 7 and 9. The last fact uses 9, 3 and 6, so $9 - 3 = 6$ is the odd one out. (It is a true fact, but it belongs to the family of 3, 6 and 9.)

18 Equal answers



a) $10 - 6 = 4$. We need $\square - 2 = 4$, and $4 + 2 = 6$. The box is 6: $6 - 2 = 4$.

b) $9 - 4 = 5$. We need $8 - \square = 5$, and $5 + 3 = 8$. The box is 3: $8 - 3 = 5$.

19 Two steps



Step 1: $10 - 3 = 7$. There are 7 apples after Dad takes some.

Step 2: $7 - 2 = 5$. There are 5 apples after Mia takes some.

There are 5 apples left in the bowl.

20 Mystery number



The sentence is $\square - 6 = 3$.

Put the 6 back: $3 + 6 = 9$. I am 9. Check: $9 - 6 = 3$, which is true.



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