

Y2 Inverse and Missing Numbers

KS1 Y2 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Write the fact family for 8, 6 and 14.

Step 1 · Two addition facts (any order)

$$8 + 6 = 14 \text{ and } 6 + 8 = 14$$

Step 2 · Two subtraction facts (start with the whole)

$$14 - 6 = 8 \text{ and } 14 - 8 = 6$$

Answer: $8 + 6 = 14$, $6 + 8 = 14$, $14 - 6 = 8$, $14 - 8 = 6$

Check: Every subtraction fact starts with the biggest number, 14 ✓

2. Now try one with the steps

Check $53 - 21 = 32$ with an addition.

Step 1 · Add the answer to the number you took away

Step 2 · $30 + 20 = 50$, $2 + 1 = 3$

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. $9 + 4 = 13$. What is $4 + 9$?

2. $30 + 50 = 80$. What is $80 - 50$?

3. $15 + 5 = 20$. What is $20 - 15$?

4. Is $18 - 6$ the same as $6 - 18$? Write yes or no.

5. Is $23 + 41$ the same as $41 + 23$? Write yes or no.

6. Find the missing number: $7 + \underline{\quad} = 15$

7. Find the missing number: $\underline{\quad} - 4 = 12$

8. Find the missing number: $40 + \underline{\quad} = 70$

9. Find the missing number: $\underline{\quad} + 32 = 58$

10. Find the missing number: $65 - \underline{\quad} = 41$

11. Find the missing number: $\underline{\quad} - 18 = 30$

12. Mo says $72 - 35 = 37$. Which addition could he use to check?

13. Grace worked out $64 - 22 = 46$. Check with addition. What is the correct answer?

14. Ben had some conkers. He gave away 15 and has 25 left. How many did he start with?

4. Before you hand it in

Writing $6 - 14 = 8$ of a fact family.

Subtraction facts start with the whole (the biggest number): $14 - 6 = 8$.

For $\underline{\quad} - 4 = 12$, writing 8 (doing $12 - 4$).

Draw a bar model. The whole is $12 + 4 = 16$.

Checking $53 - 21 = 32$ by working out $53 + 21$.

Use the inverse: add the answer and the number taken away. $32 + 21$ should make 53.

Thinking $25 + 37$ and $37 + 25$ need to be worked out separately.

Work out one and you know both. Start with the bigger number if it is easier.