

Y3 Estimate and Check

KS2 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Estimate $398 + 207$

Step 1 · 398 is very close to 400

Use 400

Step 2 · 207 is very close to 200

Use 200

Step 3 · Add the friendly numbers

$$400 + 200 = 600$$

Answer: The answer will be about 600 (it is really 605)

Check: An estimate tells you roughly what to expect, so a big slip stands out.

2. Now try one with the steps

Check $563 - 238 = 325$ using the inverse.

Step 1 · Subtraction is undone by addition

Step 2 · $325 + 238$

Step 3 · We are back to the start number

Answer:

3. Practice

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

1. Estimate $302 + 199$ by using friendly numbers.

2. Estimate $611 - 290$.

3. Write the inverse calculation to check $245 + 132 = 377$.

4. Write the inverse calculation to check $580 - 260 = 320$.

5. Find the missing number: $200 + \underline{\quad} = 650$

6. Find the missing number: $\underline{\quad} - 30 = 470$

7. Leo says $401 + 398 = 1,099$. Estimate the answer. Is he right? Write yes or no.

8. Find the missing number: $325 + \underline{\quad} = 500$

9. Find the missing number: $800 - \underline{\quad} = 345$

10. Check this with the inverse and write the correct answer: $712 - 356 = 466$

11. A farmer has 450 sheep. She sells 125. How many sheep are left?

12. Isaac has 236 stickers. Zainab has 158 more than Isaac. How many stickers does Zainab have?

13. A shop had 600 pencils. It sold 148 on Monday and 205 on Tuesday. How many pencils are left?

14. I think of a number. I add 240 and get 615. What was my number?

4. Before you hand it in

Checking $563 - 238 = 325$ by working out $563 + 238$.

To check a subtraction, add the ANSWER to the number you took away: $325 + 238$ should make 563.

Making an estimate by doing the exact sum first.

Estimate first with friendly numbers like 300 or 450, then calculate exactly.

For $__ + 145 = 400$, writing 545.

The 400 is the whole. Missing part = whole – known part = $400 - 145 = 255$.

Thinking an estimate has to be exactly right.

Estimates tell us if an answer is sensible. If the real answer is far away from the estimate, check again.