

Y4 Estimate and Check

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Estimate $3,812 + 2,146$.

Step 1 · Round each number to the nearest 100

$3,800$ and $2,100$

Step 2 · Add the rounded numbers

$3,800 + 2,100 = 5,900$

Answer: The answer should be about 5,900

Check: The exact answer is 5,958, which is close to 5,900 ✓

2. Now try one with the steps

Use the inverse to check $5,264 - 1,839 = 3,425$.

Step 1 · Subtraction is undone by addition

Step 2 · $3,425 + 1,839$

Answer:

3. Practice

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

1. Round each number to the nearest 100 and estimate: $2,310 + 1,480$

2. Round each number to the nearest 1,000 and estimate: $4,870 + 3,120$

3. Round each number to the nearest 100 and estimate: $6,720 - 2,390$

4. Which calculation checks $4,500 + 1,250 = 5,750$? A: $5,750 - 1,250$ or B: $5,750 + 1,250$

5. Which calculation checks $3,600 - 1,400 = 2,200$? A: $2,200 + 1,400$ or B: $2,200 - 1,400$

6. Check with the inverse: is $2,735 + 1,148 = 3,883$ correct? Write yes or no.

7. Find the missing number: $\square + 1,200 = 4,700$

8. Find the missing number: $6,000 - \square = 2,500$

9. Leo says $5,432 - 2,198 = 3,334$. Use the inverse to check. What is the correct answer?

10. Estimate to the nearest 1,000: $7,940 - 3,080$

11. Find the missing number: $\square - 1,875 = 2,625$

12. Find the missing number: $3,460 + \square = 8,000$

13. Zara adds 2,999 and 3,001 and gets 5,000. Without working it out exactly, explain why she must be wrong.

14. A farmer had some sheep. He sold 1,350 and has 2,780 left. How many sheep did he have at the start?

4. Before you hand it in

Checking $5,264 - 1,839 = 3,425$ by doing $5,264 + 1,839$.

Add the answer to the number you took away: $3,425 + 1,839$. You should get back to 5,264.

Spending ages getting an exact estimate.

An estimate is quick. Round to the nearest 100 or 1,000 and do the easy sum in your head.

Ignoring an estimate that does not match the answer.

If your answer is far from the estimate, check each column again. Often a carry or exchange was missed.

Finding $\square - 2,450 = 3,175$ by doing $3,175 - 2,450$.

Something take away 2,450 leaves 3,175, so it must be $3,175 + 2,450 = 5,625$. Use a bar model to see it.