

Y6 Mental Calculation

KS2 Y6 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

$34,560 + 9,999$

Step 1 · 9,999 is 1 less than 10,000
add 10,000, then subtract 1

Step 2 · $34,560 + 10,000$
44,560

Step 3 · $44,560 - 1$
44,559

Answer: 44,559

Check: Round and adjust is quicker than a written method here ✓

2. Now try one with the steps

$72,000 - 39,500$

Step 1 · Count on from 39,500 to 40,000

Step 2 · Count on from 40,000 to 72,000

Step 3 · Add the jumps

Answer:

3. Practice

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

1. $450,000 + 270,000$

2. $1,000,000 - 350,000$

3. $8,999 + 4,326$

4. $52,000 - 19,999$

5. 600×80

6. $4,800 \div 60$

7. 25×44

8. $7 \times 3,008$

9. 15×16

10. $630,000 \div 9$

11. Half of 3,700,000

12. 99×23

13. $3 \times 250,000 + 125,000$

14. A school buys 50 books at £14 each and 20 games at £9 each. What is the total cost?

15. Which is larger, and by how much: $4 \times 125,000$ or $2,000,000 \div 5$?

4. Before you hand it in

34,560 + 9,999: adding 10,000 and then adding 1 to get 44,561.

You added 1 too many, so take 1 away: 44,559.

600 $\times$ 80 = 4,800.

$6 \times 8 = 48$. There are three zeros in total (two in 600, one in 80), so the answer is 48,000.

Always reaching for a written method.

Ask: is a number close to a round number? Is there a 25 or a 5 to pair up? Can I halve and double?