

Mental strategies

1 Complete the calculations.

a) $3 + 4 =$

3 eggs + 4 eggs = eggs

3 tens + 4 tens = tens

$30 + 40 =$

b) $7 + 3 =$

7 sweets + 3 sweets = sweets

7 hundreds + 3 hundreds = hundreds

$700 + 300 =$

c) $8 - 3 =$

8 cups - 3 cups = cups

8 thousands - 3 thousands = thousands

$8,000 - 3,000 =$

d) $4 + 9 =$

4 apples + 9 apples = apples

4 ten-thousands + 9 ten-thousands = ten-thousands

$40,000 + 90,000 =$

What do you notice?

2 Use the fact that $9 + 7 = 16$ to complete the calculations.

a) $90 + 70 =$

d) $160,000 - 70,000 =$

b) $900 + 700 =$

e) $16,000 - 9,000 =$

c) $9,000 + 7,000 =$

f) $1,600 - 900 - 700 =$

3



If $8,000 + 7,000 = 15,000$
and $30 + 20 = 50$, then
 $8,030 + 7,020 = 15,050$

Do you agree with Tiny? _____

Explain your answer.

4

Complete the calculations.

a) $30,000 + 17,000 =$

d) $2,890 - 1,740 =$

b) $12,700 - 2,300 =$

e) $12,040 + 8,010 =$

c) $30,500 + 17,400 =$

f) $99,800 - 16,200 =$



5 Use the place value chart to help you complete the calculations.

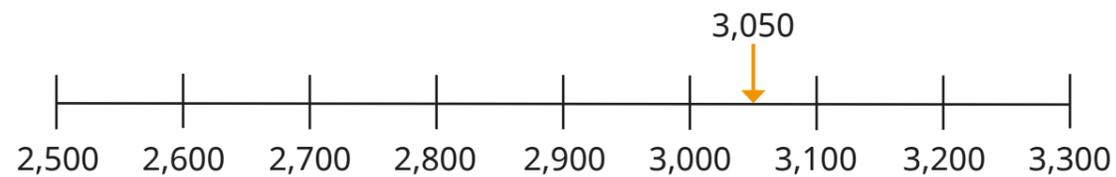
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a) $37,516 + 10,000 =$ d) $37,516 - 10,000 =$

b) $37,516 + 1,000 =$ e) $37,516 - 3,400 =$

c) $37,516 + 300 =$ f) $37,516 + 11,304 =$

6 Use the number line to help you complete the calculations.



a) $3,050 + 100 =$ c) $3,050 + 200 =$

b) $3,050 - 100 =$ d) $3,050 - 500 =$

7 Is each statement true or false?

Circle your answers and explain your reasoning.

a) Adding 99 is the same as adding 100 and subtracting 1

true

false

b) Subtracting 99 is the same as subtracting 100 and subtracting 1

true

false

8 Complete the calculations.

a) $2,360 + 99 =$

d) $470,364 - 99 =$

b) $2,360 - 99 =$

e) $999 + 52,863 =$

c) $52,871 + 99 =$

f) $176,507 + 990 =$

9 Complete the calculations.

$123 + 99 =$

$123,000 + 99,000 =$

What do you notice?