Know and use mental addition and subtraction strategies for integers



Ron is working out 46 + 28 mentally.

Then I am going to add on the 8. 66 + 8 = 74



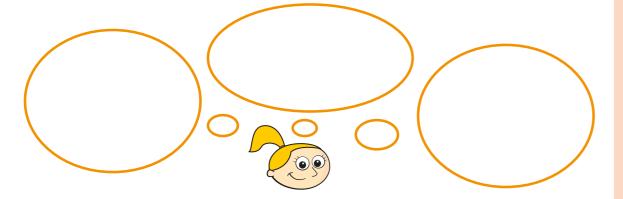
Work out the additions mentally.

You could use a method similar to Ron's.

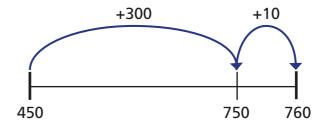
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Eva is trying to work out 240 + 320 mentally.

Write the steps she might follow to work it out.



Brett imagines a number line in his head to add two 3-digit numbers.



What two numbers do you think Brett is trying to add together?

	and	
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Work out the additions mentally.

Work out the additions mentally.

Then write the steps in your thinking.

Amir wants to add together 72 and 99

I added 100 to 72 and then subtracted 1

So the answer is 171

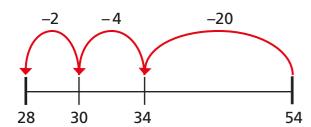


Amir is correct.

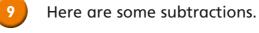
Explain why Amir's method works.

Use a method similar to Amir's method in question 6 to work out the additions mentally.

The number line shows what Kim does mentally to work out 54 – 26



Show the calculation you might do mentally to work out 182 – 37



Work them out mentally.

Talk about your method with a partner.

Rosie is working out 244 – 99 mentally.

$$244 - 100 = 144$$

 $144 - 1 = 143$

Explain Rosie's mistake.



Work out the calculations mentally.