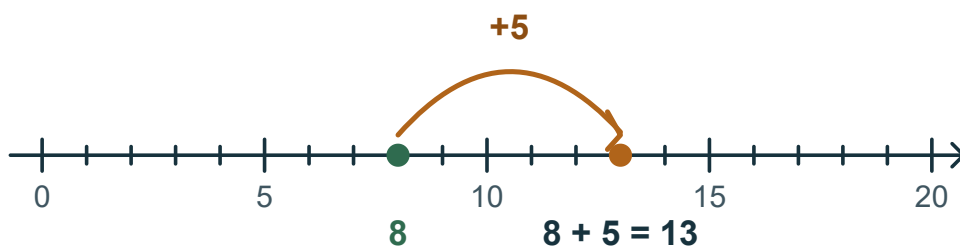


Number lines for addition and subtraction

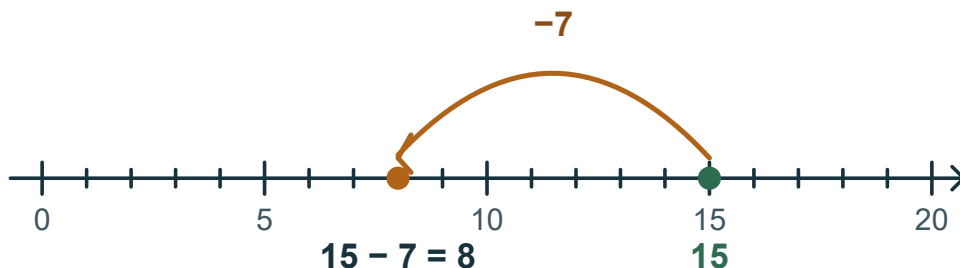
A number line turns an answer into a journey: where you start, which way you go, and how far you travel. Say each jump out loud as you draw it.

1. Count on in one jump — $8 + 5 = 13$



Put your finger on 8, not on 0. The 8 is already counted, so the first hop lands on 9. Five hops later you are on 13.

2. Take away by jumping left — $15 - 7 = 8$

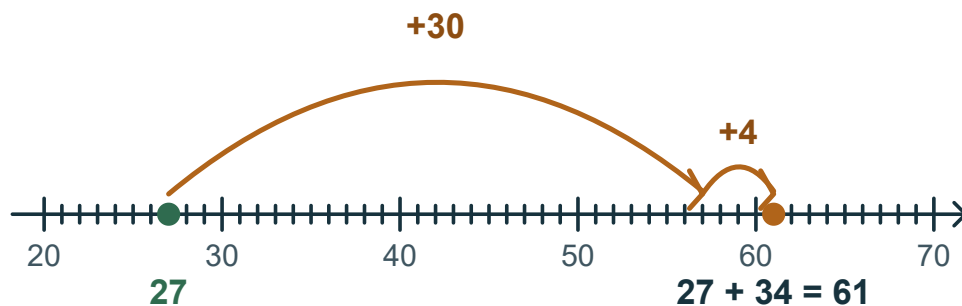


Subtraction moves the other way. Start at 15 and jump 7 to the left. You land on 8, and the line shows why the answer is smaller than where you began.

Land on a number, not between two. If a jump ends between ticks, count the hops again — one of them was counted twice or missed.

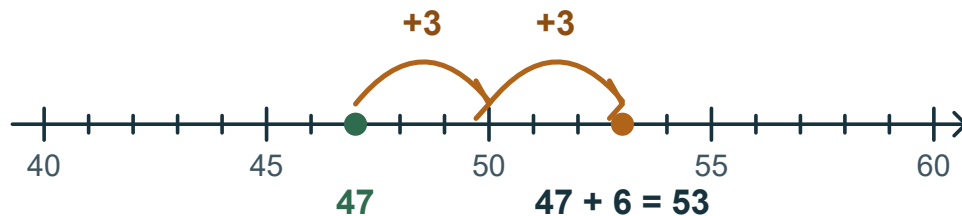
Bigger numbers, friendlier jumps

3. Take the tens first — $27 + 34 = 61$



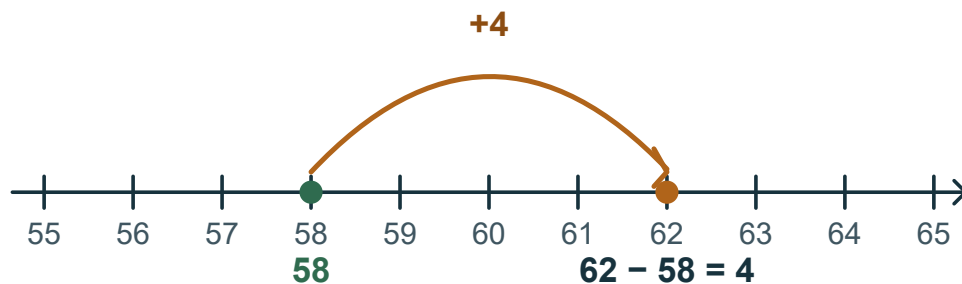
Split 34 into 30 and 4. A jump of 30 from 27 lands on 57, and 4 more lands on 61. Tens first keeps the numbers easy to say out loud.

4. Stop at the ten on the way — $47 + 6 = 53$



Six is hard to add in one hop from 47. Jump 3 to land on 50, then 3 more to 53. Splitting a jump at the ten is allowed and usually easier.

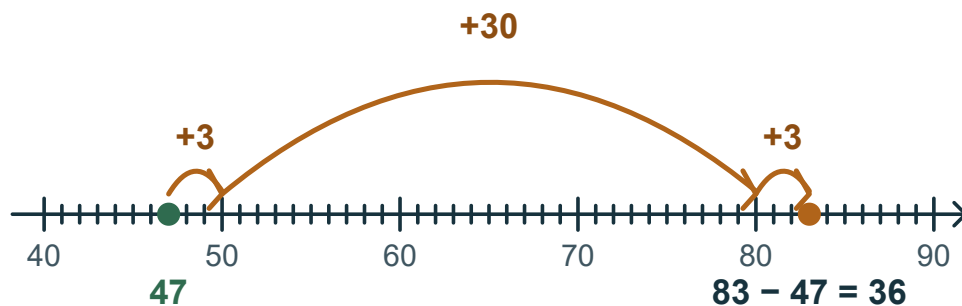
5. Count up when the numbers are close — $62 - 58 = 4$



These numbers are near neighbours, so counting up is quicker than taking away. Start at 58 and travel to 62. The answer is the distance you covered, not the place you stopped. The answer is the gap, so it is written above the arrow, not under the landing point.

Count up to subtract

6. Count up in friendly steps — $83 - 47 = 36$



From 47, jump 3 to 50, then 30 to 80, then 3 to 83. Add the jumps: $3 + 30 + 3 = 36$. No borrowing, and every step is one you can check.

Now you try

Draw each jump on the line and write how far you jumped above the arrow.



Answer: _____ My jumps: _____



Answer: _____ My jumps: _____

Practice, continued

Stuck? Every one of these can be done in two or three jumps. Look for the nearest ten first.



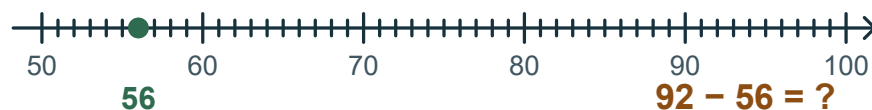
Answer: _____ My jumps: _____



Answer: _____ My jumps: _____



Answer: _____ My jumps: _____

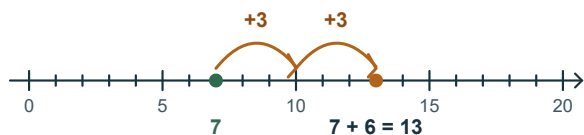


Answer: _____ My jumps: _____

Answer key

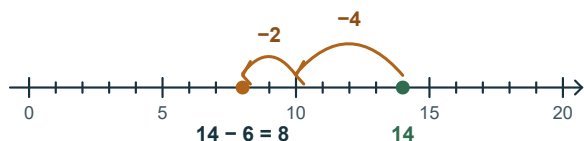
One way to jump, not the only way. A child who reaches the same answer by different hops has done it correctly — ask them to explain the route.

$$7 + 6 = 13$$



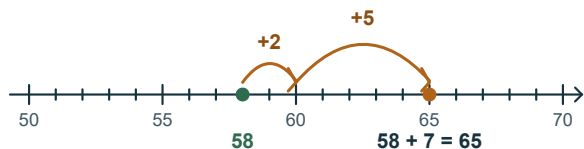
Take the 20 first, then the 5.

$$14 - 6 = 8$$



The numbers are close. Count up and measure the gap.

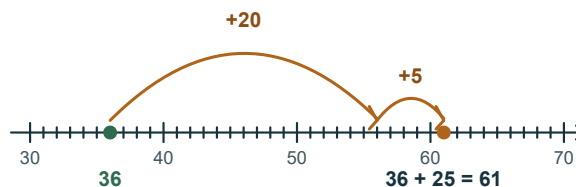
$$58 + 7 = 65$$



Count up from 56: to 60, then in tens, then the last little step.

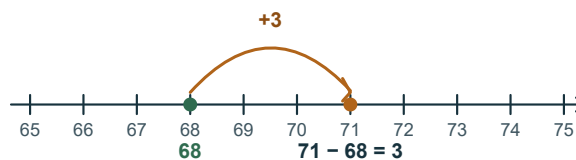
Try stopping at 10 on the way.

$$36 + 25 = 61$$



Jump left. Stopping at 10 splits the 6 into 4 and 2.

$$71 - 68 = 3$$



How far is it to 60?

$$92 - 56 = 36$$

