A **number line** shows numbers in order from left to right.
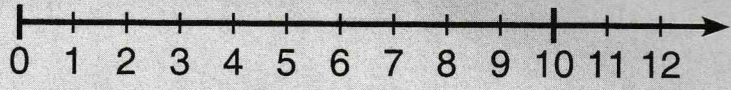
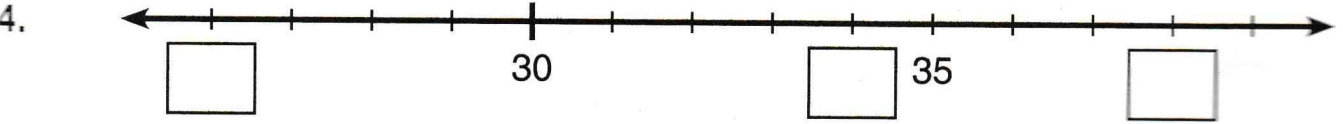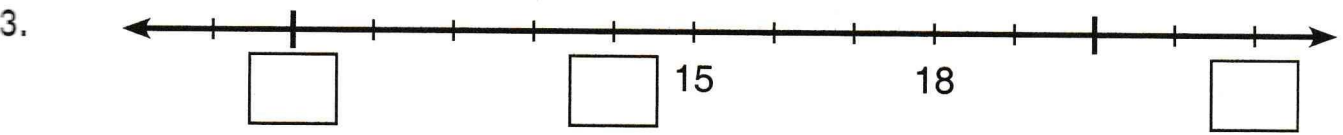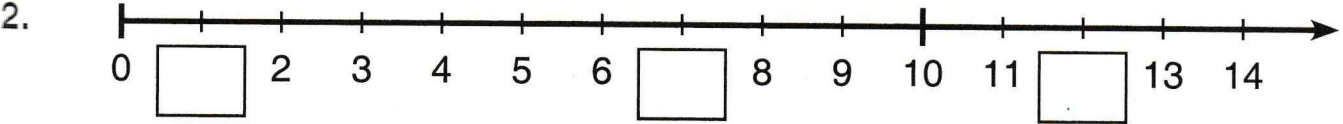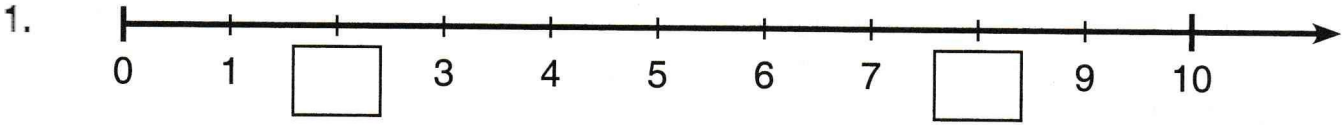Tick marks on the number line stand for whole numbers.

```
<---+--+--+--+--+--+--+--+--+--+--+--+-->
    0  1  2  3  4  5  6  7  8  9 10 11 12
```
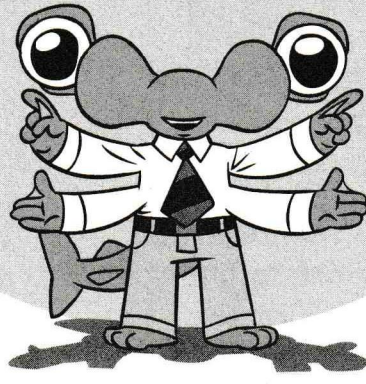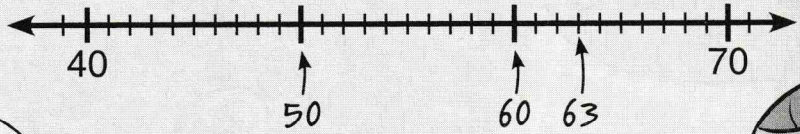
PRACTICE | Label the missing numbers on each number line below.

1.

```
|--+--+--+--+--+--+--+--+--+--+-->
0     1  [  ]  3  4  5  6  7  [  ]  9  10
```

2.

```
|--+--+--+--+--+--+--+--+--+--+--+--+--+-->
0  [  ]  2  3  4  5  6  [  ]  8  9  10  11  [  ]  13  14
```

3.

```
<--+--+--+--+--+--+--+--+--+--+--+--+-->
  [  ]        [  ]  15        18           [  ]
```

4.

```
<--+--+--+--+--+--+--+--+--+--+--+-->
 [  ]        30        [  ]  35        [  ]
```

EXAMPLE | Label 50, 60, and 63 on the number line below.

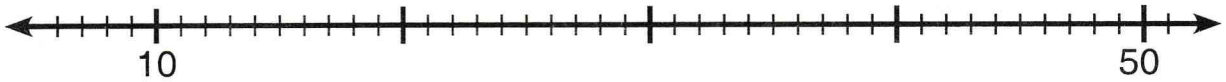The large tick marks between 40 and 70 are 50 and 60.
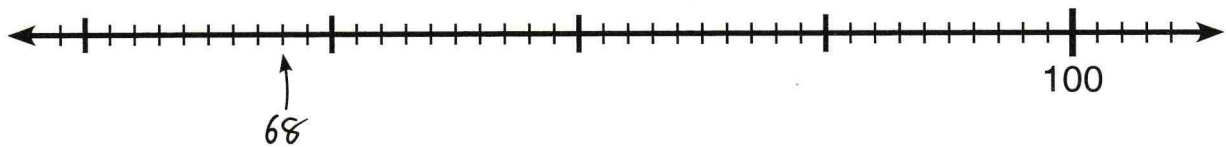
Then, 63 is the third tick mark to the right of 60.

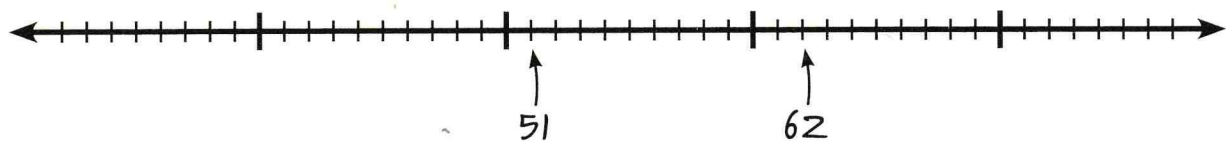**PRACTICE** | Draw arrows as shown in the example above to label the numbers given.

5. Label 16, 20, 25, and 43.

6. Label 61, 75, 84, and 90.
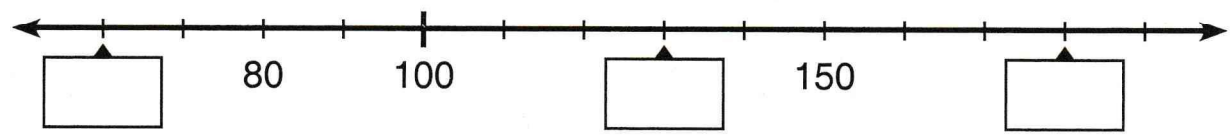

7. Label 34, 45, 56, and 67.

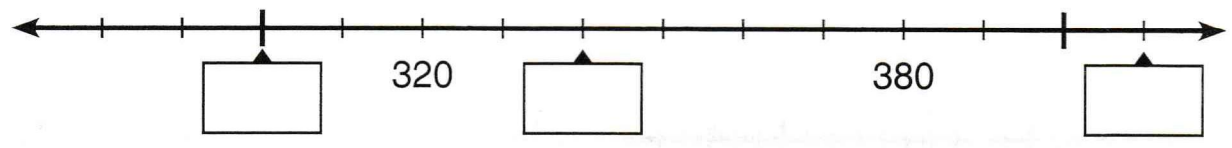Number lines don't always have a tick mark for **every** whole number.

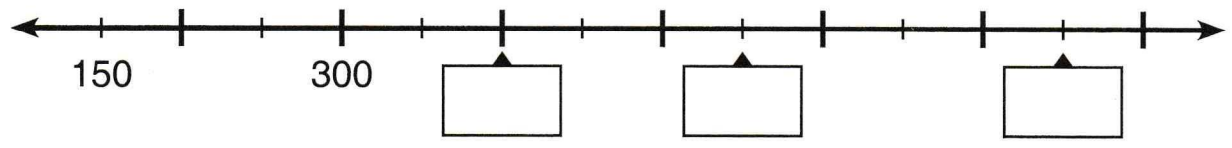**PRACTICE** | Answer each number line question below.

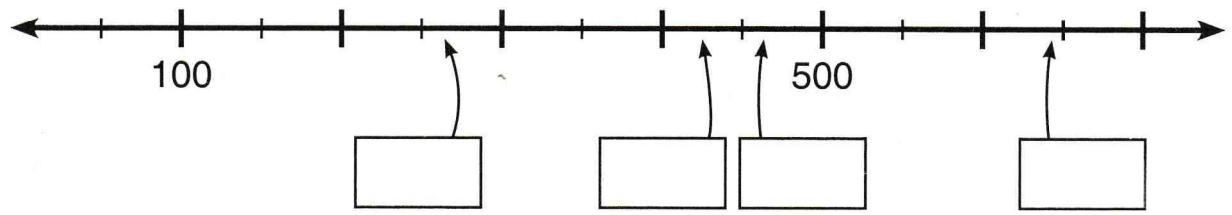8. Label the missing numbers in the boxes below.

80   100   150

9. Label the missing numbers in the boxes below.

320   380

10. Label the missing numbers in the boxes below.
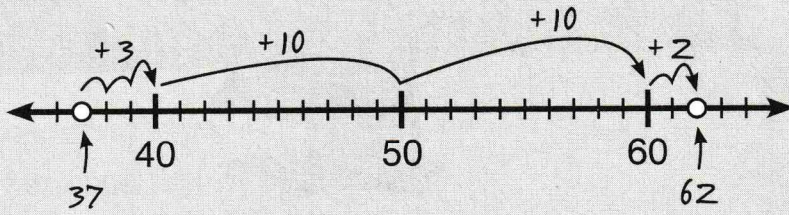
150   300

11. Label each arrow with a three-digit number that includes the digits
★   2, 4, and 6 once each.

100   500

EXAMPLE | How far is 37 from 62 on the number line?

We can find the distance between two numbers by counting up on the number line.

+3   +10   +10   +2

40   50   60
37   62

From 37 to 40 is 3 units.
From 40 to 60 is 10+10 = 20 units.
From 60 to 62 is 2 units.

So, the distance from 37 to 62 is
3+20+2 = **25** units.

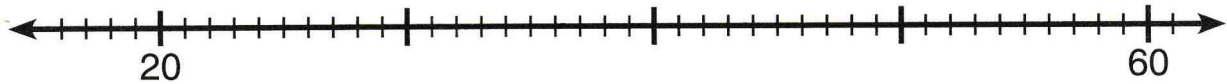**PRACTICE** | Find the distance between each pair of numbers below.

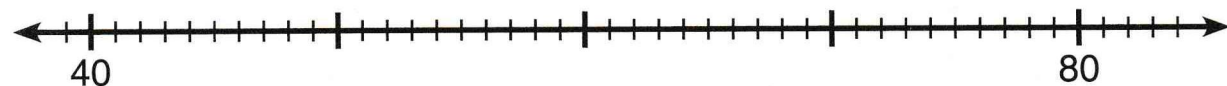**12.** How far is 19 from 60 on the number line?

12. _____

20   60

15

13. What is the distance between the two dots on the number line below?

13. _____

90   100   110   120

16

14. Find the distance from 54 to 81 on the number line.
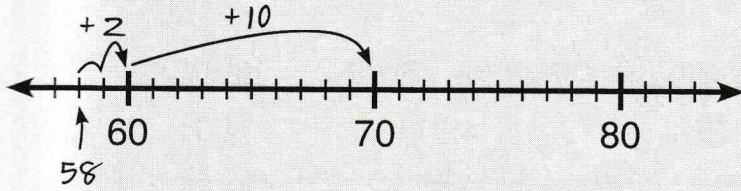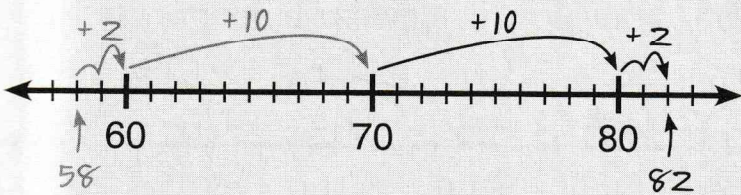
14. _____

40   80

17

EXAMPLE | Fill in the blank: 58 and ____ are the same distance from 70 on the number line.

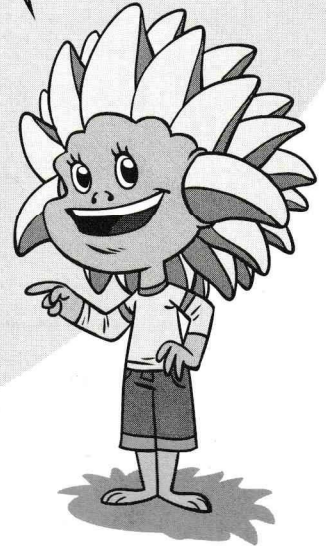The distance from 58 to 70 is $2+10=12$ units.

To find the other number that is 12 units from 70, we count up 12 units from 70.
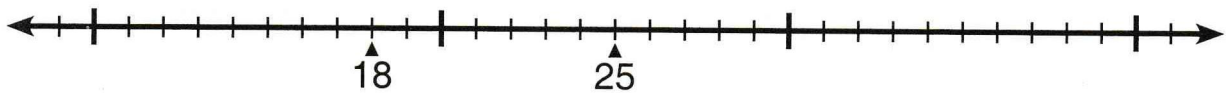

So, 58 and **82** are the same distance from 70.

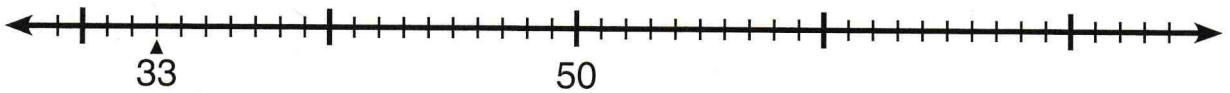> We say that 70 is **halfway** between 58 and 82.
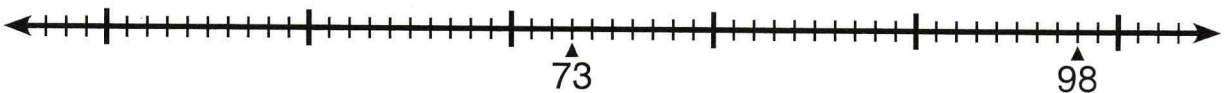
PRACTICE | Fill each blank below.

15. 18 and ____ are the same distance from 25 on the number line.

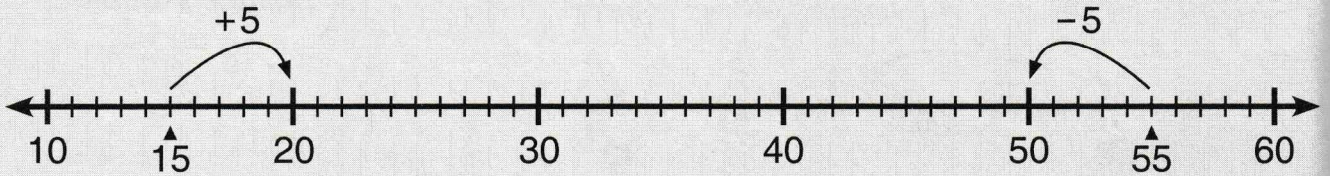16. 33 and ____ are the same distance from 50 on the number line.

17. 98 and ____ are the same distance from 73 on the number line.

EXAMPLE | What number is halfway between 15 and 55?

We can count in from 15 and 55. As long as we count in by the same amount, the number halfway between our points stays the same.

The number halfway between 15 and 55 is the same as the number halfway between 20 and 50.

We keep counting in by equal amounts until we reach the middle.
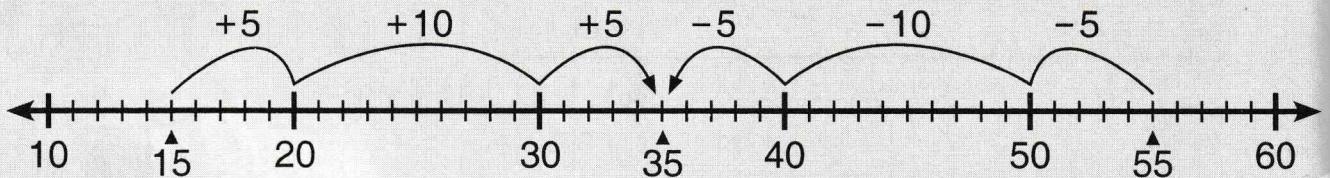
So, **35** is halfway between 15 and 55.

PRACTICE | Answer each question below.

18. What number is halfway between 45 and 65? 18. _____

19. What number is halfway between 210 and 260? 19. _____

20. What number is halfway between 27 and 73? 20. _____