Subtract Tens

Learning Outcomes

By the end of this lesson students will be able to:

- Use a number chart and number lines to subtract tens.
- Explain how to use a number chart and number lines to subtract tens.



Our Vocabulary

difference

The answer to a subtraction problem.

3 − 1 = 2

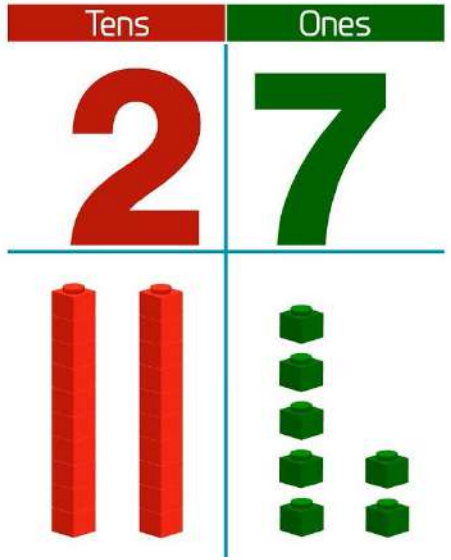
difference

Open number line

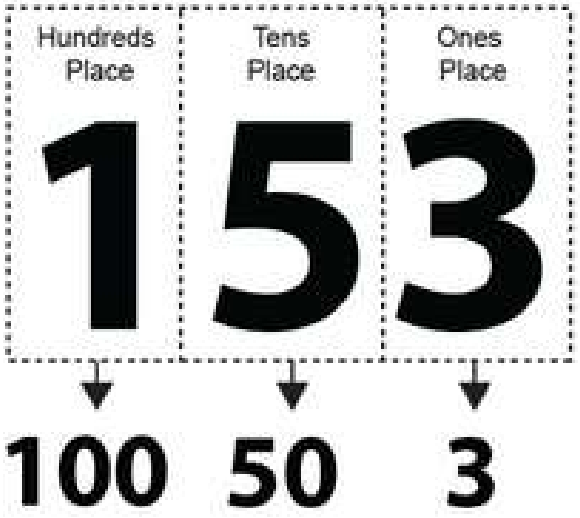


Our Vocabulary

ones and tens



placed value



equation

A number sentence that includes an equal sign.

$10 - 3 = 7$



Teaching time

One Way Use a number chart.

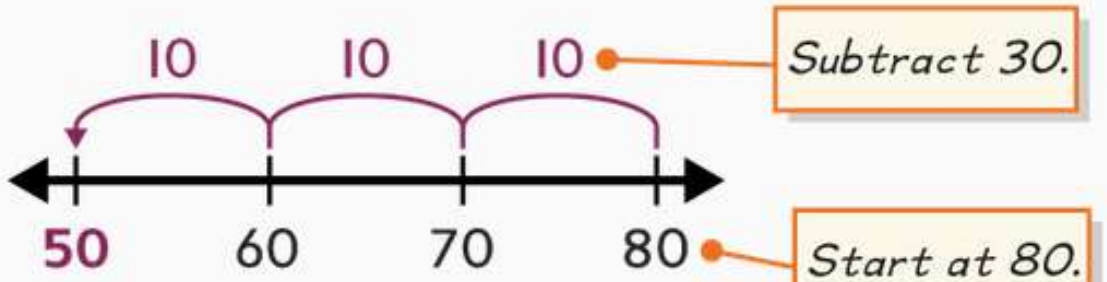
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

Subtract 30.

Start at 80.

80 − 30 = **50**

Another Way Use an open number line.



80 − 30 = **50**

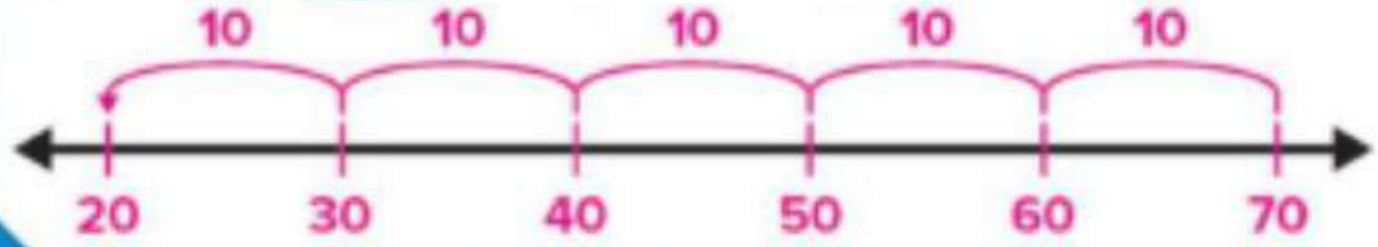
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Work Together

What is the difference? Show your thinking.

70 − 50 = 20



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Name _____

What is the difference? Use the number chart.

1. 80 − 20 = 60

2. 60 − 40 = 20

3. 70 − 10 = 60

4. 70 − 70 = 0

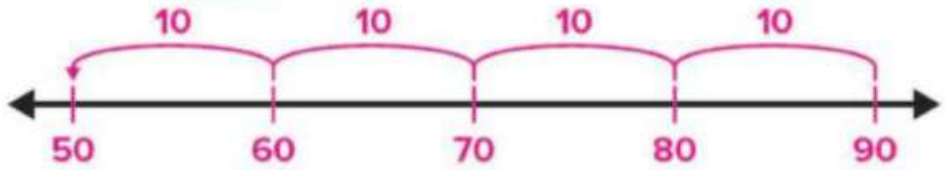
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

What is the difference? Use the open number line.

5. 50 − 20 = 30



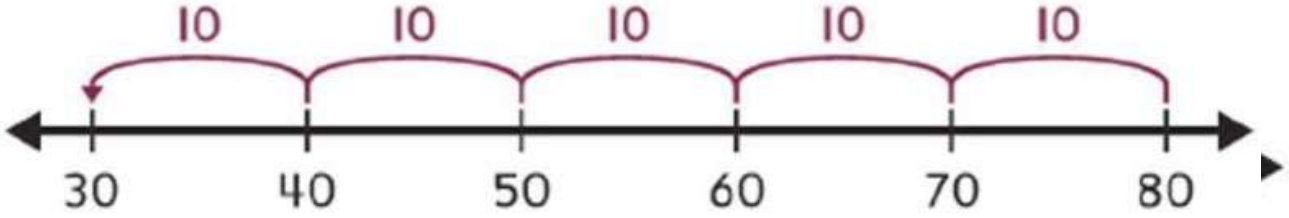
6. 90 − 40 = 50



7. T.J. has 40 baseball cards. He gives away 20 cards. How many cards does T.J. have left?

20 baseball cards

8. **Error Analysis** Maya uses an open number line to show 80 − 50.



How do you respond to Maya?

Sample answer: I agree with Maya because her number line matches the problem. She starts at 80, counts back 5 tens, and lands on 30.

9. **Extend Your Thinking** How can you use a number chart or number line to subtract 100 − 30?

Sample answer: I would find 100 on the number chart and count back 3 tens. The difference is 70.

Exit Ticket

What is the difference? Use the number chart.

1. 70 − 40 = _____
2. 50 − 50 = _____

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

3. What is the difference? Show your thinking on the number line.

   90 − 50 = _____

