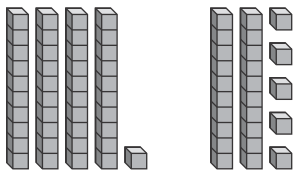


1. Write an equation that matches the place-value blocks below.



\_\_\_\_\_

2. Find the sum. Draw place-value blocks to show how you found it.

$$40 + 2 = \underline{\quad}$$

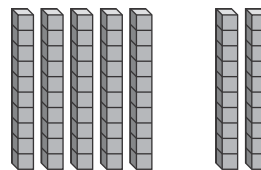


3. Find the sum of 15 and 17.

Use words, pictures, or a model to solve. Write the equation.

\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

4. Which equation matches the place-value blocks shown below? Choose two that apply.



- $50 + 10 = 60$
- $5 \text{ tens} + 2 \text{ tens} = 7 \text{ tens}$
- $50 + 20 = 70$
- $4 \text{ tens} + 2 \text{ tens} = 6 \text{ tens}$
- $6 \text{ tens} + 3 \text{ ones} = 9 \text{ ones}$

5. Find the sum of 16 and 12. Explain how you solved the problem. Did you need to make a 10?

---

---

---

---

---

6. Solve the problem. Use place-value blocks if needed.

$$39 + 12 = \underline{\quad}$$

Can you make a 10? Explain.

Circle **Yes** or **No**.

Yes                  No

- 
7. Use the part of the hundred chart to add. Choose the possible explanation for how to find  $38 + 20$ .

- Ⓐ I start at 38 and then move one row up to get 28. So,  $38 + 20 = 28$ .
- Ⓑ I start at 38 and then move two columns to the right to get 40. So,  $38 + 20 = 40$ .
- Ⓒ I start at 38 and then move one row down and two columns to the right to get 50. So,  $38 + 20 = 50$ .
- Ⓓ I start at 38 and then move two rows down to get 58. So,  $38 + 20 = 58$ .

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

Use the part of the hundred chart to solve each problem. What is one way to explain your answer?

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

8.  $10 + 23 = ?$

- (A) 13; I started at 23 and subtracted 1 ten.
- (B) 24; I started at 23 and added 1 one.
- (C) 33; I started at 23 and added 1 ten.
- (D) 40; I started at 10 and added 3 tens.

9.  $6 + 31 = ?$

- (A) 91; I started at 31 and added 6 tens.
- (B) 37; I started at 31 and added 6 ones.
- (C) 36; I started at 31 and added 6 ones.
- (D) 25; I started at 31 and subtracted 6 ones.

Use mental math to solve. Then explain how you found your answer.

10.  $41 + 10 = \underline{\hspace{2cm}}$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

11.  $39 + 10 = \underline{\hspace{2cm}}$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

12.  $83 + 10 = \underline{\hspace{2cm}}$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

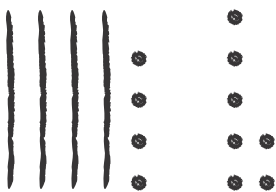
Find the correct number to complete each equation.

**13.**  $30 + 50 = \underline{\hspace{2cm}}$     **14.**  $20 + \underline{\hspace{2cm}} = 70$     **15.**  $\underline{\hspace{2cm}} + 40 = 60$

**16.** Use the open number line to find  $20 + 34$ . Show your work.



**17.** Find  $54 + 7$ . Do the models correctly show the sum? Explain how you know.



---

---

---

---

Solve each problem. Can you make a 10? Use place-value blocks if needed.

	Show	Add	Can you make 10?	Find the sum.
<b>18.</b>	17	26	Yes No	
<b>19.</b>	53	24	Yes No	
<b>20.</b>	15	35	Yes No	