Unit 8 · Adding and Subtracting within 100 Cheat Sheet

Unit 8 focus: 10 more, 10 less and adding or subtracting tens

1 BIG IDEA

Adding or taking away tens only changes the tens digit. The ones stay the same.

2 IMPORTANT VOCABULARY

10 more	The number with one more ten.	10 more than 34 is 44
10 less	The number with one less ten.	10 less than 34 is 24
decade number	A number with 0 ones: 10, 20, 30 ...	70 is a decade number
hundred chart	A chart of 1 to 100 in rows of 10.	Below 23 is 33

3 HOW IT WORKS

Find 53 + 20.

Example: 53 + 20
Tens: 5 + 2 = 7 tens
Ones stay: 3

Answer: 73

4 VISUAL MODEL

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

Down one row is 10 more: 36, 46, 56.

5 ★ REMEMBER THIS · WATCH OUT!

★ Remember this

- 10 more: the tens digit goes up 1.
- 50 − 20: 5 tens − 2 tens = 3 tens = 30.

⚠ Watch out!

- **34 + 10 → 35:** change the tens, not the ones
- **50 − 20 → 3:** 3 tens is 30

6 TRY IT!

1. 10 less than 62

   Answer: 52

2. 70 − 40

   Answer: 30

Answers are printed upside down. Turn the page to check!

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More practice: adding a one-digit or two-digit number and making a new ten

1 BIG IDEA

Add tens to tens and ones to ones. When the ones make 10 or more, make a new ten.

2 IMPORTANT VOCABULARY

new ten	10 ones put together to make 1 ten.	8 ones + 5 ones = 1 ten and 3 ones
place value	The value of a digit by its place.	In 46, the 4 is worth 40
10 more	The number with one more ten.	10 more than 34 is 44
decade number	A number with 0 ones: 10, 20, 30 …	70 is a decade number

3 HOW IT WORKS

Find 47 + 6.

Example: 47 + 6
47 + 3 = 50
50 + 3 = 53

Answer: 53

4 VISUAL MODEL



29 + 4: 9 ones + 4 ones = 13 ones = 1 ten and 3 ones.
29 + 4 = 33.

5 ★ REMEMBER THIS · WATCH OUT!

★ Remember this

- Fill the next ten first: 38 + 5 = 40 + 3.
- 24 + 35: 20 + 30 = 50, 4 + 5 = 9, so 59.

⚠ Watch out!

- **32 + 5 → 82:** add 5 to the ones
- **38 + 5 → 313:** 13 ones is 1 ten and 3 ones: 43

6 TRY IT!

1. 26 + 3

   Answer: 29

2. 58 + 7

   Answer: 65

Answers are printed upside down. Turn the page to check!