Homework Pack II

Homework

Name: _____

Learning Outcome: Apply a variety of estimation and mental math strategies to addition and subtraction problems.
Real World Application: Mental math encourages flexible thinking, promotes number sense and creative work with numbers in an efficient manner.

Using Zero

Strategy: Add and subtract these numbers in your head.

1. 20 + 50 = _____	9. 90 - 90 = _____
2. 10 + 30 = _____	10. 80 - 10 = _____
3. 30 + 20 = _____	11. 50 - 20 = _____
4. 40 + 40 = _____	12. 70 - 70 = _____
5. 30 + 60 = _____	13. 60 - 30 = _____
6. 10 + 70 = _____	14. 40 - 10 = _____
7. 50 + 40 = _____	15. 90 - 40 = _____
8. 60 + 20 = _____	16. 80 - 60 = _____

1. 68 - 30 = _____	9. 40 - 20 = _____
2. 57 - 10 = _____	10. 42 - 30 = _____
3. 71 - 50 = _____	11. 47 - 10 = _____
4. 83 - 40 = _____	12. 50 - 20 = _____
5. 96 - 50 = _____	13. 65 - 50 = _____
6. 65 - 20 = _____	14. 80 - 50 = _____
7. 44 - 10 = _____	15. 90 - 60 = _____
8. 68 - 50 = _____	16. 70 - 70 = _____

Homework

Name: _____

Learning Outcome: Apply and explain multiple strategies to determine sums and differences on 2-digit numbers, with and without regrouping.

Real World Application: The most common way we use addition and subtraction in our daily lives is in the exchange of money for goods at stores and restaurants. When we compare the numbers of items in sets, as in who has more, we use subtraction. When we look for total numbers of items in sets, we use addition.

Adding Ten and Close to Ten

Strategy: When adding ten to any number, just add to the tens place.
To add 9, think of 10 then subtract 1.
When adding 11 to a number, think add ten and one.

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a. 63 + 10 = ___ d. 59 + 10 = ___ g. 26 + 34 = ___

b. 80 + 10 = ___ e. 45 + 10 = ___ h. 71 + 10 = ___

c. 10 + 34 = ___ f. 10 + 67 = ___ i. 10 + 42 = ___

j. 90 + 9 = ___ l. 37 + 9 = ___ n. 42 + 9 = ___

k. 9 + 54 = ___ m. 9 + 83 = ___ o. 9 + 64 = ___

p. 74 + 11 = ___ r. 46 + 11 = ___ t. 53 + 11 = ___

q. 11 + 28 = ___ s. 11 + 65 = ___ u. 11 + 17 = ___

When Both End with Zero

Strategy: When two numbers end with zero, simply add the tens digits and then add a zero.

a. 30 + 20

b. 40 + 40

c. 60 + 30

d. 10 + 50

e. 70 + 10

f. 10 + 80

g. 50 + 30

h. 20 + 40

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Base Ten Addition

Strategy: Use Base Ten materials to help you find the solution.

54 + 23

| = tens ▫ = ones

tens	ones
|||||	▫▫ ▫▫
||	▫▫▫
7	7

54
+ 23
77

a. 32
+ 6

tens	ones

b. 26
+ 13

tens	ones

c. 34
+ 52

tens	ones

d. 61
+ 15

tens	ones

e. 53
+ 24

tens	ones

f. 41
+ 34

tens	ones

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Counting On and Back

Strategy: When adding 1, 2 or 3, count on.
When subtracting 1, 2 or 3, count back.

a. 23 + 2 = ___

b. 38 + 1 = ___

c. 76 + 3 = ___

d. 54 + 2 = ___

e. 80 + 1 = ___

f. 68 − 3 = ___

g. 45 − 2 = ___

h. 19 − 1 = ___

i. 97 − 3 = ___

f. 52 − 2 = ___

k. 1 + 34 = ___

l. 2 + 48 = ___

m. 3 + 86 = ___

n. 2 + 15 = ___

k. 1 + 27 = ___

p. 65 + 3

q. 84 + 2

r. 41 + 1

s. 18 − 2

t. 92 − 1

u. 77 − 3

v. 39 + 1

w. 26 − 3

x. 53 + 2

Student Activity

Name: _____

100 Chart Addition

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

26 + 43

First, shade in 26 squares in one colour. Then, shade in 43 squares in another colour. Be sure to fill in spaces in counting order.

26 + 43 = 69

a.

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

52 + 25

52 + 25 = _____

b.

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

14 + 43

14 + 43 = _____

c.

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

64 + 17

64 + 17 = _____

d.

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

31 + 27

31 + 27 = _____

Student Activity

Name: _____

Place Value Addition

'hen you add 2-digit numbers, you are really adding tens and ones.

23 + 15 23 = 2 tens and 3 ones

15 = 1 tens and 5 ones

Total = 3 tens 8 ones

So 23 + 15 = 38

a. 14 + 15

14 = ___ tens ___ ones

15 = ___ tens ___ ones

Total ___ tens ___ ones

14 + 15 = _____

b. 63 + 22

63 = ___ tens ___ ones

22 = ___ tens ___ ones

Total ___ tens ___ ones

63 + 22 = _____

c. 54 + 23

54 = ___ tens ___ ones

23 = ___ tens ___ ones

Total ___ tens ___ ones

54 + 23 = _____

d. 34 + 52

34 = ___ tens ___ ones

52 = ___ tens ___ ones

Total ___ tens ___ ones

34 + 52 = _____

e. 75 + 13

75 = ___ tens ___ ones

13 = ___ tens ___ ones

Total ___ tens ___ ones

75 + 13 = _____

f. 43 + 44

43 = ___ tens ___ ones

44 = ___ tens ___ ones

Total ___ tens ___ ones

43 + 44 = _____