AC
EA
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Decimal Fractions - Tenths

Near Doubles

We are learning to solve addition problems where the two numbers are easily related to doubles.

Exercise 1

Doug works out 8.8 + 8.9 by saying 9 + 9 = 18, 18 – 0.3 = 17.7

What to do

1) Use Doug's method to work out the following problems.
2) Do the problems in your head first
3) Check you are right by writing them down. Show them like the examples above

1)	7.8 + 7.7	(2)	5.7 + 5.9	(3)	12.8 + 12.6
4)	5.8 + 5.8	(5)	6.9 + 6.7	(6)	10.8 + 10.5
7)	4.8 + 4.9	(8)	19.7 + 19.6		

Exercise 2

Denise works out 8.1 + 8.3 by saying 8 + 8 = 16, 16 + 0.4 = 16.4

What to do

1) Use Denise's strategy to work out the following problems.
2) Do the problems in your head first
3) Check you are right by writing them down. Show them like the examples above

1)	3.1+ 3.2	(2)	5.2 + 5.3	(3)	8.3 + 8.1
4)	10.2 + 10.4	(5)	7.2 + 7	(6)	15.1 + 15.3
7)	6.4 + 6.3	(8)	9 + 9.3	(9)	12.3 + 12.1
10)	11.3 + 11.2	(11)	15 + 15.2	(12)	13.1 + 13.5

Exercise 3

Dorothy works out 8.3 + 7.8 by saying 8 + 8 = 16, 16 + 0.3 – 0.2 = 16.1
Daniel works out 9.6 + 10.2 by saying 10 + 10 = 20, 20 – 0.4 + 0.2 = 19.8

What to do

1) Use Dorothy and Daniel's strategy to work out the following problems.
2) Do the problems in your head first
3) Check you are right by writing them down. Show them like the examples above

1)	7.9 + 8.1	(2)	8.3 + 7.9	(3)	6.8 + 7.4
4)	5.9 + 6.2	(5)	12.8 + 13.5	(6)	10.3 + 9.9
7)	15.3 + 14.7	(8)	11.1 + 10.8	(9)	20.3 + 19.9
10)	50.4 + 49.8	(11)	99.9 + 100.4	(12)	250.3 + 249.6

Exercise 4

What to do

1) Use the strategy of near doubles (like the questions above).
2) Do the problems in your head first
3) Check you are right by writing them down. Show them like the examples above

1)	6.8 + 6.7	(2)	4.1+ 4.2	(3)	6.9 + 7.1
4)	7.2 + 7.3	(5)	6.3 + 6.1	(6)	2.8 + 2.6
7)	14.8 + 14.9	(8)	7.3 + 6.9	(9)	9.2 + 9
10)	11.8 + 11.8	(11)	9.8 + 10.4	(12)	3.9 + 3.7
13)	13.1 + 13.3	(14)	9.8 + 9.5	(15)	3.9 + 4.2
16)	9.3 + 8.9	(17)	15.7 + 15.9	(18)	11.3 + 11.1
19)	19.7 + 19.6	(20)	16.4 + 16.3	(21)	10.3 + 9.9
22)	13.8 + 14.5	(23)	10 + 10.3	(24)	11.2 + 11.4
25)	21.3 + 21.2	(26)	21.1 + 20.8	(27)	10.1 + 10.5
28)	25.3 + 24.7	(29)	60.4 + 59.8	(30)	25 + 25.2

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Near Doubles
Answers

Exercise 1

1)	15.5	(2)	11.6	(3)	25.4
4)	11.6	(5)	13.6	(6)	21.3
7)	9.7	(8)	39.5		

Exercise 2

1)	6.3	(2)	10.5	(3)	16.4
4)	20.6	(5)	14.2	(6)	30.4
7)	12.7	(8)	18.3	(9)	24.4
10)	22.5	(11)	30.2	(12)	26.6

Exercise 3

1)	16	(2)	16.2	(3)	14.2
4)	12.1	(5)	26.3	(6)	20.2
7)	30	(8)	21.9	(9)	40.2
10)	100.2	(11)	200.3	(12)	499.9

Exercise 4

1)	13.5	(2)	8.3	(3)	14
4)	14.5	(5)	12.4	(6)	5.4
7)	29.7	(8)	14.2	(9)	18.2
10)	23.6	(11)	20.2	(12)	7.6
13)	26.4	(14)	19.3	(15)	8.1
16)	18.2	(17)	31.6	(18)	22.4
19)	39.3	(20)	32.7	(21)	20.2
22)	28.3	(23)	20.3	(24)	22.6
25)	42.5	(26)	41.9	(27)	20.6
28)	50	(29)	120.2	(30)	50.2