Decimal Fractions - tenths

Don't Subtract – Add!

I know that problems like 3.4 + □ = 5.1 and 5.1 –3.4 have the same answer (reversability). I am practising this.

Ref: Book 5 Pg. 34

Exercise 1

Rangi solves 6.3 – 3.8 by seeing that 3.8 + □ = 6.3 has the same answer. He says the answer is 0.2 + 2.3 = 2.5.

For these problems rewrite as an addition problem and then use Rangi's addition method to work out these subtractions.

1)   4.2 – 2.9   (2)   5.1 – 3.8   (3)   6.3 – 2.9

4)   5.3 – 2.7   (5)   3.4 – 1.9   (6)   9.2 – 4.8

Exercise 2

Complete the table by
1)   writing the subtraction problem indicated by the words
2)   rewriting the subtraction problem as an addition problem
3)   using Rangi's addition method to work out these subtractions.
4)   The first one is done for you.

Word problem	Subtraction	Addition	Answer
Jill has 7.3 metres of fabric. She makes a skirt and uses 2.8 metres of fabric. How much fabric does she have left?	7.3 – 2.8	2.8 + □ = 7.3	4.5
Kepa has 3.4 kg of whitebait. He uses 1.8 kg to make whitebait fritters for lunch. How much whitebait does he have left?			
Sumara has 9.3 kg of cheese in her shop fridge at the beginning of the day. During the day she sells 4.9 kg of cheese. How much cheese does Sumara have left at the end of the day?			
Pauline has 5.6 metres of wood. She uses 2.7 metres of wood to fix her deck. How much wood does she have left once she has fixed her deck?			

Exercise 3

Use an addition method to work out these subtractions.

1) 8.2 – 2.8   (2) 6.1 – 3.9   (3) 4.3 – 2.8

4) 5.1 – 2.7   (5) 8.4 – 1.9   (6) 7.3 – 4.7

7) 9.2 – 6.8   (8) 3.2 – 1.8   (9) 6.2 – 2.7

Exercise 4

Use an addition method to work out these subtractions.

1) 14.2 – 9.8   (2) 13.1 – 9.9   (3) 16.3 – 9.8

4) 15.3 – 9.9   (5) 13.4 – 9.7   (6) 17.3 – 9.7

Exercise 5

Use an addition method to work out these subtractions.

1) 18.1 – 13.8   (2) 36.2 – 33.9   (3) 44.3 – 42.8

4) 54.1 – 51.8   (5) 87.4 – 81.9   (6) 79.1 – 75.7

7) 29.3 – 25.8   (8) 36.3 – 31.8   (9) 68.3 – 62.9

Exercise 6

Use an addition method to work out these subtractions.

1) 33.3 – 19.8   (2) 42.3 – 29.9   (3) 53.1 – 29.8

4) 91.2 – 69.8   (5) 84.1 – 59.9   (6) 63.2 – 29.7

7) 63.1 – 38.9   (8) 37.2 – 28.8   (9) 74.3 – 48.7

Exercise 7

Use an addition method to work out these subtractions.

1) 83.1 – 56.9   (2) 65.1 – 37.9   (3) 84.1 – 46.7

4) 33.3 – 15.8   (5) 53.2 – 26.8   (6) 32.2 – 24.8

7) 75.2 – 26.7   (8) 91.2 – 76.8   (9) 62.3 – 24.9

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Don't Subtract – Add!
Answers

Exercise 1:

1) $2.9 + \square = 4.2$; 1.3

(2) $3.8 + \square = 5.1$; 1.3

3) $2.9 + \square = 6.3$; 3.4

(4) $2.7 + \square = 5.3$; 2.6

5) $1.9 + \square = 3.4$; 1.5

(6) $4.8 + \square = 9.2$; 4.4

Exercise 2

1) $3.4 - 1.8$; $1.8 + \square = 3.4$; 1.6

(2) $9.3 - 4.9$; $4.9 + \square = 9.3$; 4.4

3) $5.6 - 2.7$; $2.7 + \square = 5.6$; 2.9

Exercise 3

1) 5.4

(2) 2.2

(3) 1.5

(4) 2.4

5) 6.5

(6) 2.6

(7) 2.4

(8) 1.4

9) 3.5

Exercise 4

1) 4.4

(2) 3.2

(3) 6.5

(4) 5.4

5) 3.7

(6) 7.6

Exercise 5

1) 4.3

(2) 2.3

(3) 1.5

(4) 2.3

5) 5.5

(6) 3.4

(7) 3.5

(8) 4.5

9) 5.4

Exercise 6

1) 13.5

(2) 12.4

(3) 23.3

(4) 21.4

5) 24.2

(6) 33.5

(7) 24.2

(8) 8.4

9) 25.6

Exercise 7

1) 26.2

(2) 27.2

(3) 37.4

(4) 17.5

5) 26.4

(6) 7.4

(7) 48.5

(8) 14.4

9) 37.4