White Rose
Year 5 Activity Sheets

Monday – Lesson 1

Subtracting Decimals with the same number of decimal places

Subtracting decimals with the same number of decimal places

1 Use a place value chart and counters to help you complete the subtractions.

Tens	Ones	Tenths	Hundredths
10	1 1 1 1	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01

a) 14.83 − 12.12 = ☐

b) 14.83 − 12.14 = ☐

c) 14.83 − 12.92 = ☐

d) 14.83 − 12.94 = ☐

e) Which calculation was easier? Talk about it with a partner.

f) What happens when you don't have enough counters in a column to take away?

_____

_____

2 Complete the sentences.

1 ten can be exchanged for ☐ ones.

1 one can be exchanged for ☐ tenths.

1 tenth can be exchanged for 10 _____.

3 Annie is calculating 2.42 − 1.17 using the column method.

She uses a place value chart to help her.

Ones	Tenths	Hundredths
1 1	0.1 0.1 0.1 0	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

	2	·$^{3}\not{4}$	$^{1}2$	
−	1	· 1	7	
	1	· 2	5	

How does the place value chart support the column method?

Talk about it with a partner.

4 Complete the column subtractions.

a)

		5	· 6	4	
	−	3	· 1	2	
			·		

b)

		5	· 6	4	
	−	3	· 1	5	
			·		

c)

		8	· 0	9	
	−	3	· 8	1	
			·		

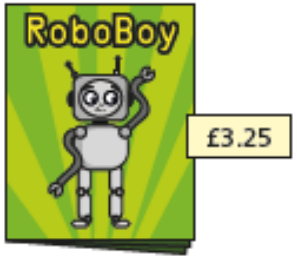
d)

		1	2	· 0	2	
	−	1	1	· 3	8	
				·		

5 Whitney has £8.52

She buys this comic.

How much money does she have left?



£ ☐

6 Here are some items for sale in a shop.


£2.27


£9.10


£4.91


£1.09

a) How much more does a scarf cost than a bag of marbles?

£ ☐

b) Esther has £15.31

She buys a pair of headphones and a bag of marbles.

How much money does she have left?

£ ☐

c) Tom has £7.01

He buys one item and has £5.92 left.

What did he buy?

Tom bought _____.

7 Ron and Dora are doing a sponsored walk.

Ron walks 3.12 miles.

Dora walks 5.49 miles.

How much further does Dora walk than Ron?

Dora walks ☐ miles further than Ron.

8 Tommy has three pieces of string.

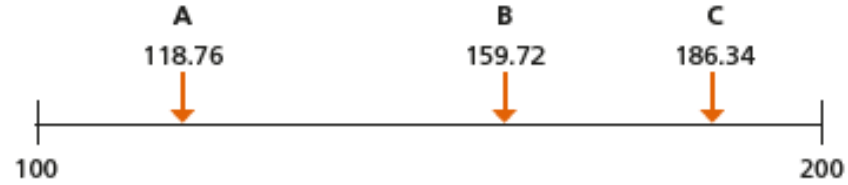
- The first piece is 0.78 m long.
- The second piece is 0.24 m shorter than the first piece.
- The third piece is 0.07 m shorter than the second piece.

What is the total length of all three pieces of string?

Give your answer in metres and centimetres.

☐ m and ☐ cm

9 A, B and C are points on a number line.



How much greater is the difference between A and C than the difference between B and C?

☐

Compare methods with a partner.

Tuesday – Lesson 2

Subtracting Decimals with a different number of decimal places

Subtracting decimals with a different number of decimal places

1 Use the place value chart to help you work out the subtractions.

Ones	Tenths	Hundredths
●●● ●●	●●●	●●● ●●

a)

		5	.	3	6
	–	1	.	2	
			.		

c)

		5	.	3	6
	–	3	.	8	
			.		

b)

		5	.	3	6
	–	3	.	5	
			.		

d)

		5	.	3	6
	–	4	.	7	
			.		

2 Alex is using counters to help her work out 4.7 – 1.35

I can't do this as I don't have any hundredths counters.

Do you agree with Alex? _____

Talk about it with a partner.

3 Complete the subtractions.

a)

		2	.	3	6
	–	1	.	4	
			.		

c)

		7	.	3	
	–	1	.	1	5
			.		

b)

		6	.	1	5
	–	3	.	8	
			.		

d)

		2	4	.	4	
	–		3	.	1	2
				.		

4 Use the column method to work out the subtractions.

a) 13.59 – 1.82

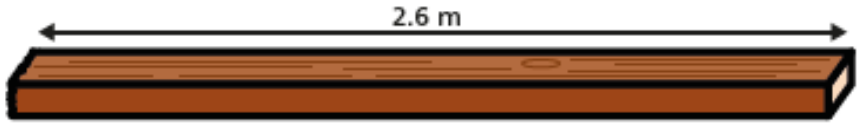
c) 5.6 – 1.39

b) 73.84 – 9.2

d) 18.2 – 3.64

5 A plank of wood measures 2.6 m.

A carpenter cuts a piece of wood from the plank that is 0.52 m long.



a) What is the length of the remaining plank?

m

b) The carpenter cuts a second piece of wood from the plank.

She now has 0.3 m of the plank remaining.

What is the length of the second piece of wood that she cut?

m

6 The mass of a bag of marbles is 54.3 g.

These two marbles are removed from the bag.

What is the mass of the bag of marbles now?

g

7 Work out the missing digits.

__3.4 – 2.5__ = 10.81

8 Use the column method to work out the subtractions.

a) 14 – 2.7

b) 8 – 3.65

c) 20 – 2.85

d) 26 – 3.91

e) 25 – 3.842

f) 90 – 0.821

Wednesday – Lesson 3

Multiplying decimals by 10, 100 and 1000

Multiplying decimals by 10, 100 and 1,000

1 Complete the multiplications.

a)

H	T	O	Tths	Hths
		3	7	

3.7 × 10 = ☐

b)

H	T	O	Tths	Hths
	1	4	5	

14.5 × 10 = ☐

c)

H	T	O	Tths	Hths
		1	5	8

1.58 × 10 = ☐

d)

H	T	O	Tths	Hths
	1	3	0	6

13.06 × 10 = ☐

What do you notice when you multiply a number by 10?

2 Complete the multiplications.

a) 1.7 × 10 = ☐

b) 1.75 × 10 = ☐

c) 1.73 × 10 = ☐

d) 13.4 × 10 = ☐

e) 10 × 13.04 = ☐

f) 130.4 × 10 = ☐

3 Complete the multiplications.

a)

H	T	O	Tths	Hths
		4	1	

4.1 × 100 = ☐

b)

H	T	O	Tths	Hths
		4	1	5

4.15 × 100 = ☐

c)

H	T	O	Tths	Hths
	1	4	5	

14.5 × 100 = ☐

d)

H	T	O	Tths	Hths
		4	0	5

4.05 × 100 = ☐

What do you notice when you multiply a number by 100?

4 Complete the calculations.

a) 7.2 × 100 = ☐

b) 3.4 × 100 = ☐

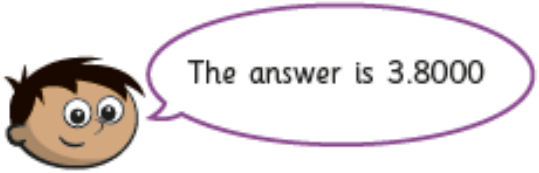
c) 19.5 × 100 = ☐

d) 1.89 × 100 = ☐

e) 73.57 × 100 = ☐

f) 1.317 × 100 = ☐

5 Amir has multiplied 3.8 by 1,000



a) What mistake has Amir made?

_____

_____

b) Work out the correct answer. 3.8 × 1,000 = ☐

6 Complete the multiplications.

a) 4.7 × 10 = ☐

4.7 × 100 = ☐

4.7 × 1,000 = ☐

b) 19.3 × 10 = ☐

19.3 × 100 = ☐

1,000 × 19.3 = ☐

c) 5.84 × 10 = ☐

5.84 × 100 = ☐

5.84 × 1,000 = ☐

d) 18.06 × 10 = ☐

100 × 18.06 = ☐

18.06 × 1,000 = ☐

How did you work out the answers? Talk to a partner.

7 Complete the calculations.

a) 7.7 × ☐ = 770

b) ☐ × 10 = 1,950

c) 11.5 × ☐ = 115

d) ☐ × 11.5 = 11,500

e) 8.032 × ☐ = 80.32

f) ☐ × 18.3 = 1,830

g) 195.32 × ☐ = 1,953.2

h) ☐ × 1,000 = 7,200

8 Tommy is 1.4 m tall.

A tree is 10 times as tall as Tommy.

A building is 100 times as tall as Tommy.

a) How tall is the tree? ☐ m

b) How much taller is the building than the tree?

☐ m

9 Match the multiplications to the descriptions.

× 10 × 10	multiply by 10
× 10 × 10 × 10	
× 100 × 10	multiply by 100
× 10 × 100	
× 10 × 1	multiply by 1,000

Thursday – Lesson 4

Dividing decimals by 10, 100 and 1000

Dividing decimals by 10, 100 and 1,000

1 Complete the divisions.

a)

H	T	O	Tths	Hths
		5		

5 ÷ 10 = ☐

b)

H	T	O	Tths	Hths
	1	5		

15 ÷ 10 = ☐

c)

H	T	O	Tths	Hths
		3	8	

3.8 ÷ 10 = ☐

d)

H	T	O	Tths	Hths
	1	3	8	

13.8 ÷ 10 = ☐

What do you notice when you divide a number by 10?

2 Complete the calculations.

a) 7 ÷ 10 = ☐

b) 7.8 ÷ 10 = ☐

c) 7.86 ÷ 10 = ☐

d) 16 ÷ 10 = ☐

e) 16.4 ÷ 10 = ☐

f) 16.48 ÷ 10 = ☐

3 Complete the divisions.

a)

H	T	O	Tths	Hths	Thths
	1	7			

17 ÷ 100 = ☐

b)

H	T	O	Tths	Hths	Thths
		9	4		

9.4 ÷ 100 = ☐

c)

H	T	O	Tths	Hths	Thths
2	7	6			

276 ÷ 100 = ☐

d)

H	T	O	Tths	Hths	Thths
	3	2	5		

32.5 ÷ 100 = ☐

What do you notice when you divide a number by 100?

4 Complete the divisions.

a) 7 ÷ 100 = ☐

7.2 ÷ 100 = ☐

7.25 ÷ 100 = ☐

b) 109 ÷ 100 = ☐

10.9 ÷ 100 = ☐

10.95 ÷ 100 = ☐

5 Use a place value chart to work out 136 ÷ 1,000

H	T	O	Tths	Hths	Thths
1	3	6			

Complete the calculation.

136 ÷ 1,000 = ☐

Talk to a partner about your method.

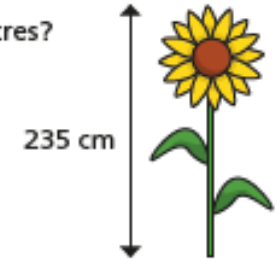
6 Use your knowledge of measure to work out the answers.

a) What is the mass of the box in kilograms?

☐ ÷ ☐ = ☐

b) What is the height of the sunflower in metres?

☐ ÷ ☐ = ☐



c) What is the amount of juice in litres?

☐ ÷ ☐ = ☐

7 Complete the calculations.

a) 147 ÷ 10 = ☐

147 ÷ 100 = ☐

147 ÷ 1,000 = ☐

b) 21 ÷ 10 = ☐

21 ÷ 100 = ☐

21 ÷ 1,000 = ☐

c) 3,200 ÷ 10 = ☐

3,200 ÷ 100 = ☐

3,200 ÷ 1,000 = ☐

d) 5,006 ÷ 10 = ☐

5,006 ÷ 100 = ☐

5,006 ÷ 1,000 = ☐

8 Complete the divisions.

a) 83 ÷ ☐ = 0.83

b) ☐ ÷ 10 = 0.95

c) ☐ ÷ 10 = 3.9

d) 68 ÷ ☐ = 0.068

e) 1,799 ÷ ☐ = 17.99

f) ☐ ÷ 100 = 11.8

g) 178 ÷ ☐ = 17.8

h) 3.18 ÷ ☐ = 0.318

Friday

Note to Parents:

The Friday Challenge will be made available on the White Rose Year 6 Home Learning page closer the time. 😊