Lesson 2 Addition

Keep the decimal points aligned.
- - Add as you would add whole numbers.- -

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   1 1 1              1 1                  1 1 1
 14.8 1 4           1.2 4                1.2 4 0 ←
 3,5 5 1           4 5.3        or      4 5.3 0 0 ←   Write these 0's
+0.4 3 6          + 2.5 8 7             + 2.5 8 7     if they help you.
 ─────────         ─────────             ─────────
 18.8 0 1          4 9.1 2 7            4 9.1 2 7
```

Put a decimal point in the answer.

Add.

	a	b	c	d	e
1.	0.3 +0.5	0.6 +0.5	4.6 +2.9	5.8 +7.6	3.4 +9.8
2.	0.2 4 +0.6 2	0.0 3 +0.4 0	$0.5 8 +0.2 7	$4.5 6 +2.8 3	$1 4.3 8 +2 9.7 5
3.	0.0 4 2 +0.1 5 3	0.2 4 6 +0.1 7 3	0.4 2 6 +0.1 7 9	3.8 2 4 +6.2 9 2	4 2.3 7 5 +8 4.9 6 8
4.	0.9 +0.8 5	0.1 2 7 +0.5 6	3.9 6 5 +4.0 7	1 7.3 6 4 +4.9	5.3 0 8 +9 2.6 7
5.	0.3 0 8 +0.6	0.4 6 +0.2 0 7	6.0 5 +1 8.9	3.2 +0.0 6 9	4 2.0 5 +2.7 8 3
6.	0.1 2 6 0.2 +0.8 4	0.8 9 0.3 +0.9 2 6	0.4 6 3 4.2 +9.3 8 4	0.9 1 4.6 2 5 +3.0 2	0.4 2 4 2.3 +9.6 1 8

Lesson 5 Multiplication

number of digits after the decimal point

321	0	3.21	2	3.21	2	0.321	3
×4	+0	×4	+0	×0.4	+1	×0.04	+2
1,284	0	12.84	2	1.284	3	0.01284	5

$12 \times 27 = 324$, so $12 \times 2.7 =$ _____ | $22 \times 18 = 396$, so $2.2 \times 1.8 =$ _____

and $12 \times 0.027 =$ _____ | and $0.022 \times 1.8 =$ _____

Multiply.

	a	b	c	d	e
1.	0.2 3 ×6	0.4 0 ×2	1.6 ×4	0.3 2 4 ×5	4 3.1 ×7
2.	3 2 ×0.3	4 2 ×0.8	5.1 ×0.2	0.7 3 4 ×0.9	2.1 6 ×0.6
3.	0.2 3 ×0.0 4	0.1 7 ×0.0 5	2.5 ×0.0 3	7.0 9 ×0.0 2	0.8 6 3 ×0.0 4
4.	0.4 2 ×0.0 0 6	3.8 ×0.0 0 8	0.7 6 ×0.0 0 4	5 1.2 ×0.0 0 4	8.0 6 ×0.0 0 3
5.	3 1 6 ×0.0 3	2.0 4 ×0.7	0.7 1 5 ×0.9	3 1.8 ×0.0 4	6.1 9 ×0.0 5
6.	4.2 1 ×0.3	6 1.3 ×0.0 8	3 0.8 ×0.0 0 9	2.0 9 ×0.0 2	4 1.6 ×0.0 3
7.	3.2 4 ×5	6 8 7 ×0.0 3	4.1 8 ×0.0 9	3 1 7 ×0.8	0.6 1 7 ×4

Student Name: _____   Score: _____

Decimals Addition Word Problems

Questions	Workspace
Samson bought 3 bags which cost $12.30, $34.23 and $23.19 respectively. How much did he need to pay? Answer:	
Kayla spends 1.23 hours for English reading, 1.40 hours for Math and 0.39 hours for Science. How many hours does she spend studying? Answer:	
Kevin measures a triangular plate whose sides are 12.4 inches, 9.45 inches and 10.35 inches respectively. What is the perimeter of a triangular plate? Answer:	
Catherine bought a tomato, a chicken and an onion. The respective weights of these items were 2.12 kg, 1.45 kg and 3.19 kg. What is the total weight of the items bought? Answer:	

Decimals Subtraction Word Problems

Questions	Workspace
Katherine bought cosmetic items which cost $78.12 in total. She gave $100 to the shop keeper. How much does she receive as change? Answer:	
Kelly scored 56.73 points and Karen scored 74.92 points on a University exam. How many points less did Kelly score than Karen? Answer:	
A mixture is obtained by mixing two products A and B respectively. Product A weighs 234.56 grams and the mixture weighs 988.76 grams. How much does Product B weigh? Answer:	
David's home is 12.53 miles away from the lake and 16.73 miles away from his school. How far is David's school from the lake? Answer:	

Student Name: _____ Score: _____

Decimals Multiplication Word Problems

Questions	Workspace
Hamlet ordered 9 pizzas. Each pizza costs $13.95. How much does he need to pay? Answer:	
A broken scale is used to measure the height of the plant. The length of the broken scale is 12 cm. The height of the plant is 14.15 times greater than the broken scale. What is the height of the plant? Answer:	
The height and volume of a rectangular box is one inch and 56.23 inch^3 respectively. What is the volume of the box if the height is increased to 13 inches? Answer:	
David and Dora are close friends studying in the same school. David's home is 6.87 miles away from school. Dora's home is 7 times as far as David's home from school. Find the distance between Dora's school and her home. Answer:	

Mixed Word Problems

1) Jessica has saved 9 quarters from washing cars.
How many cents does Jessica have ?   _____

2) Tim had 9 pennies in his bank. He spent 2
of his pennies. How many pennies does he have now ?   _____

3) There are 1110 students at a school. If each
classroom holds 30 students, how many classrooms are needed at the school?   _____

4) Mike had 6 dimes in his bank. His dad gave him 9 more dimes.
How many dimes does Mike have now ?   _____

5) Fred has 9 dozen golf balls.
How many golf balls does he have ?   _____

6) There are 4 crayons in the drawer. Tim took 2
crayons from the drawer. How many crayons are now in the drawer ?   _____

7) Mary bought 600 crayons that came in packs of 15.
How many packs of crayons did Mary buy?   _____

8) Sara has 6 books. Dan has 4 times more books than
Sara. How many books does Dan have ?   _____

9) Sam has saved 4900 cents from selling lemonade.
How many dollars does Sam have?   _____

10) Jessica has 2 green marbles Sam has 4 green marbles.
How many green marbles do they have in all ?   _____