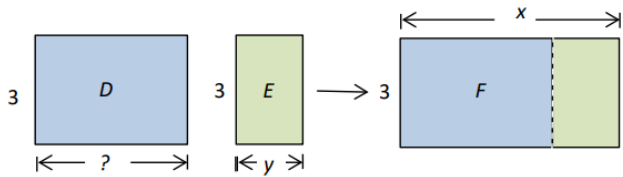


Dimensions Math Textbook 7A Updated 02/24/2020			
Page	Question or Section	Error	Date Added
80	(b)	$\frac{q - pr}{qr} = \frac{5 - \frac{1}{2} \times (-2)}{5 \times (-2)}$ $= \frac{6}{-10}$ $= -\frac{2}{3}$	3/14/2013
98	Class Activity 2	<p>5. x should indicate the entire length for Rectangle F. The length of rectangle D should not be labeled. (a) needs to be changed to finding the length of rectangle D in terms of x and y. The expected answers are given below:</p> <p>5. Consider the following diagram:</p>  <p>(a) Find the length of rectangle D in terms of x and y: $x - y$ (b) Find the area of (i) rectangle D: $3(x - y)$ (ii) rectangle E: $3y$ (iii) rectangle F: $3x$ (c) Use the areas in question 5(b) to write the relationship: The area of rectangle D = the difference between the areas of rectangle F and rectangle E: $3(x - y) = 3x - 3y$</p>	3/14/2013
101	Recall	$(-a + b)$ should be $-(a + b)$	3/14/2013
112	Nutshell	Under Distributive Law $-(x + y) = -x - y$	4/23/2013
114	Example 14(b)	Answer cannot have more significant figures than those used in calculation. Speed = 53 mi/h \times 1.6 km/mi = 85 km/hr (rounded to whole number)	5/19/2017
219 - 231		For first printing only, see answer key at the end with revised answers, corrections highlighted.	
224	17(b)	$x + \left(\frac{3}{5}x + 18\right) + \left[2\left(\frac{3}{5}x + 18\right) - 45\right]$	3/21/2013
224	19(a)(iii)	$x + 2(3x + 5) + 3\left(\frac{4}{5}x\right)$	3/21/2013
224	19(b)	104	3/14/2013
227	Chapter 6 Try It! 14	Same conversion factor as used in Example should be used, i.e. 1.6 km/mi, and answer should be rounded to a whole number. The measurement has only 2 significant figures. 98 km/h (rounded to a whole number)	5/19/2017
231	Ex 8.4, 2(c)	(i) right angled ($m\angle R = 90^\circ$) (ii) scalene	12/25/2013
231	Ex 8.4, 2(e)	(i) acute angled (ii) isosceles ($m\angle R = 65^\circ$)	12/25/2013
231	Ex 8.5, 2(b)	4.8 cm	2/27/2018

Dimensions Math Textbook 7A includes activities using The Geometer's Sketchpad, which is no longer available. We recommend using GoeGebra instead.

Dimensions Math Workbook 7A Updated 06/27/2018		
Page	Question or Section	Error
8	Chapter 2, 11(b)	$4^3 - 52$ 7/20
11	Chapter 2, 28(b)	Renumber the parts. (i), (ii), (iii) , and (iv)
14	Chapter 2, 42(a)	Clive wants to paint the walls of a rectangular room which are 5.26 m long....
18	Chapter 3, 20	The amount of kinetic energy, E, in any moving object can be expressed by the formula: E = (1/2)MV²
23	Chapter 4, 15(h)	$12\left(\frac{m+2n}{3} - \frac{m-3n}{6} + \frac{m+n}{2}\right)$
25	Chapter 4, 22	Last year, Sheryl borrowed (6x + 12y) books from the library. Murray borrowed 2/3 as many books as Sheryl and Lina borrowed 1/2 as many books as Murray.
29	Chapter 5, 12(f)	$\frac{5}{4}\left(8 - \frac{3n+2}{25}\right) + 7 = \frac{36(1+2n)}{5}$
55	Chapter 1, 14(b)(iii)	125
56	Chapter 2, 5(a)(iii)	21
56	Chapter 2, 5(a)(iv)	18
56	Chapter 2, 5(b)	80
56	Chapter 2, 7(f)	-23/16 or -1 9/16
57	Chapter 2, 13(b)(iv)	10.00
57	Chapter 2, 20(f)	0
57	Chapter 2, 20(g)	7
58	Chapter 2, 33(a)	3/14
58	Chapter 3, 6(f)	$p^2 + q^2 + mn$
59	Chapter 3, 23(iii)	$\$ \left(\frac{3d}{m} + \frac{5c}{n}\right)$
60	Chapter 4, 5(d)	-5
60	Chapter 4, 11(c)	(Sub-part (b)(iv) should be (c)
60	Chapter 4, 18(d)(iii)	91
61	Chapter 5, 4(e)	13
61	Chapter 5, 11(f)	28 3/4
63	Chapter 6, 17(a)	400 cm ² , 8,000 cm³
64	Chapter 7, 23(a)	\$8,500
65	Chapter 8, 20(a)	12
65	Chapter 8, 20(b)	62 cm
65	Chapter 8, 20(c)	1, 922 cm ²
65	Chapter 8, 23(b)	ABC = BAD = 90°
66	Chapter 8, 29(a)	64° (remove sub-parts)
66	Chapter 8, 30(c)	One of the solutions is x = 20. (No sub-part (d))

Dimensions Math Workbook Solutions 7A Updated 07/10/20		
Page	Question or Section	Error
3	Chapter 2, 14(b)(iii)	5 x 5 x 5 = 125
10	Chapter 2, 23(c)	Both the problem and solution: exponent 3 $\frac{1}{12} - \frac{3}{14} + \frac{4}{17} + \left(\frac{1}{2}\right)^3$
13	Chapter 2, 12(a)	Both axes in the graph should have the same scale.
13	Chapter 2, 12(b)	Isosceles triangle
14	Chapter 2, 42(a)	Problem: Clive wants to paint the walls of a rectangular room which are 5.26 m long....

21	Chapter 4, 5(d)	Solution: $10(6x^2 - 1/2 x + 4) = 60x^2 - 5x + 40$; -5
22	Chapter 4, 9(b)	Second line of solution: $(2y - 5 + 5y + 7) / 3$
23	Chapter 4, 12(g)	Solution: Last term should be – $3\left(\frac{1}{6}a + \frac{1}{4}b - 2\right) + 4\left(\frac{5}{8}a + \frac{9}{16}b - 1\right)$
35	Chapter 5, 22(b)	Solution: Distance Hendrick would have jogged
39	Chapter 6, 8(f)	Solution, last line: 736.56
44	Chapter 6, 30	Solution: Assume the car overtakes the truck after 10:00.
47	Chapter 7, 18(a)(ii)	Solution: The concert is estimated to end at 10:05 P.M.
48	Chapter 7, 22(b)	Solution: (remove extra space) $100(810 + x)$
58	Chapter 8, 26	Question: (a) (b) (i) (ii) (c) B is cut off on lower left of diagram.

Dimensions Math Teaching Notes and Solutions 7A Updated 05/19/2017			
Page	Question or Section	Error	Date Added
27	Ex. 1.5, 14(a)	$600 = 2^3 \times 3 \times 5^2$ A perfect square has an even number of each prime factor. Thus another 2 and 3 is needed, or 2×3 . $(2^3 \times 3 \times 5^2) \times 2 \times 3 = (2^2 \times 3 \times 5)^2 = 600 \times 6$. $(2^3 \times 3 \times 5^2)$ does not equal $2^3 \times 3 \times 5^2) \times 2 \times 3$ as shown in the current solution. Remove the equal sign in the second line of the solution.)	12/04/2013
27	Ex. 1.5, 14(b)	Again, remove the equal sign in the second line of the solution. A perfect square has a multiple of 3 for each prime factor. Thus another 5 and two more 3's are needed, or $3 \times 3 \times 5$. $(2^3 \times 3 \times 5^2) \times 3 \times 3 \times 5 = (2 \times 3 \times 5)^3 = 600 \times 45$.	12/04/2013
33	CA 4, 3	Second table, column 1, row 4: $-1 - (-4) = 3$	02/22/2013
45	Ex. 2.3, 6(d)	$- -7 - (-3) = -7 + 3$ $= -4$	04/01/2013
50	Ex. 2.5, 5(a)	In both the question and the solution: $\left(-\frac{2}{3}\right)^3 \times \frac{9}{16} \div (-4)$	04/01/2013
51	Ex. 2.5, 8(a)	Suggested answers: $\frac{17}{28}, \frac{9}{14}$	03/14/2013
64	Ex. 3.1, 6(b)	Final line of solution: $= \left(\frac{t}{8} + \frac{1}{3}\right)$ hours	03/13/2013
73	Ex. 3.3, 17(b)	Delete the second line of the solution. The answer should not be simplified; algebraic manipulations are in the next chapter.	03/21/2013

73	Ex. 3.3, 17(c)	When $x = 75$, Sum of the three students' scores $= x + \left(\frac{3}{5}x + 18\right) + \left[2\left(\frac{3}{5}x + 18\right) - 45\right]$ $= 75 + \left(\frac{3}{5} \times 75 + 18\right) + \left[2\left(\frac{3}{5} \times 75 + 18\right) - 45\right]$ $= 219$	03/21/2013
74	Ex. 3.3, 19(a)(iii)	Total score in the game $= x + 2(3x + 5) + 3\left(\frac{4}{5}x\right)$ Answer does not need to be simplified further, since algebraic manipulations are in the next chapter.	03/21/2013
74	Ex. 3.3, 19(b)	When $x = 10$, Total score in the game $= 10 + 2(3 \times 10 + 5) + 3 \times \frac{4}{5} \times 10$ $= 10 + 70 + 24$ $= 104$	03/21/2013
89	Ex. 4.3, 5	Express each of the following as a single fraction in simplest form.	04/23/2013
89	Ex. 4.3, 5(b)	$\frac{3t}{7} + \frac{t+8}{2}$ Under solutions: $\frac{3t}{7} + \frac{t+8}{2} = \frac{-2(3t) + 7(t+8)}{14}$ $= \frac{-6t + 7t + 56}{14}$ $= \frac{t + 56}{14}$	04/23/2013
89	Ex. 4.3, 5(b)	Under solutions, last step should be: $= \frac{5t - 16}{15}$	04/23/2013
89	Ex. 4.3, 5(h)	The solution is correct, but does not use the LCM. This can lead to confusion, since simplifying algebraic fractions is not covered, and all the examples in the chapter use LCM and thus do not require simplification at the final step since it involves factorizing, or additional discussion of distributive property. So the steps should be changed to: $\frac{y}{5} + \frac{3y-1}{2} - \frac{4y+7}{3}$ $= \frac{-6y + 15(3y-1) - 10(4y+7)}{30}$ $= \frac{-6y + 45y - 15 - 40y - 70}{30}$ $= \frac{-y - 85}{30}$	04/23/2013
114	6.3 Try It! 14	Same conversion factor as used in Example should be used, i.e. 1.6 km/mi, and answer should be rounded to a whole number. The measurement has only 2 significant figures. $61 \text{ mph} \times 1.6 \text{ km/mi} = 97.6 \text{ km/h}$ $98 \text{ km/h (rounded to a whole number)}$	05/19/2017
162	Ex. 8.4, 2(c)	(i) right angled ($m \square R = 90^\circ$) (ii) scalene (The side given does not have to be between the 2 given angles.)	11/25/2013
162	Ex. 8.4, 2(e)	(i) acute angled (ii) isosceles ($m \square R = 65^\circ$)	11/25/2013

166	Ex. 8.5, 2(b)	FH = 4.9 cm (6.8 cm is length of EG)	12/06/2013
167	Ex. 8.5, 4(a)	Problem in this book is different from one in textbook, which states that $XY = YZ = 4.5$ cm. Change problem to read: Construct a quadrilateral XYZT in which $XY = YZ = 4.5$ cm, $ZT = 2$ cm, $XT = 4$ cm, and $YT = 5$ cm. Change diagram so that distance for XY is labeled 4.5. Change first direction: 1. Draw a line segment XY 4.5 cm long. (Or change problem in textbook)	12/06/2013
167	Ex. 8.5, 4(b)	For changes in 4(a) above: $m\angle YZT = 92^\circ$ $m\angle YTZ = 123^\circ$	12/06/2013

The revised answer key for the textbook with corrections highlighted is provided on the next page. This is for the first printing only.