

Challenging Word Problems (published 2010)

(Updated 5/11/2016)

Challenging Word Problems 2

Page			Printing
33	6	Four oranges and two bananas weigh 620 g altogether. Three oranges and two bananas weigh 530 g altogether. (With numbers given in book, weight of the 4 oranges exceeds the total amount once weight if single orange is found.)	2010
85	9	Change third sentence to: There are four coins on each side of the square.	2010
Answers			
188	Topic 10 Time	Challenging 8.	July 2010

Challenging Word Problems 3

Page			Printing
105	10	A big container has 12 ℓ of water. Given 2 pails of capacities 5 ℓ and 9 ℓ, now can you divide the volume of water equally between 2 of the containers?	2010
159	6	The figure is supposed to be a square, but is not quite. The answer in the back assumes it is a square. The publisher needs to adjust the image to be a square so that the angles for the diagonals are right angles.	2010
Answers			
228	14 Misc. Probs. 2 Challenging Probs.	10. 5 ways (1 x 36, 2 x 18, 3 x 12, 4 x 9, 6 x 6)	2010

Challenging Word Problems 4

Page			Printing
10	3.	Thirty red pens, 45 blue pens, and 75 black pens need to be placed in boxes so that each box has each color pen and each box has the same assortment of pens.	2010
60	10.	$\frac{2}{5}$ of Roy's marbles is equal to $\frac{3}{7}$ of Ian's marbles.	
Answers			
223	Topic 7	Challenging 11.	(a) 7 (b) 12 2010

Challenging Word Problems 5

Page			Printing
38	9.	The drawing is labeled incorrectly. The 10 cm should extend all the way from the left side of the larger square to the right side of the smaller square	2011
Answers			
191	Whole Numbers	Practice 6.(a)	She threw 5 or 6 darts.

			6.(b)	Accept all correct answers. For example: For 5 darts: 12, 12, 23, 23, 30 For 6 darts: 19, 19, 19, 19, 12, 12	
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Challenging Word Problems 6

Page			Added
78	6.	This diagram is not possible. It is not possible to have a right triangle with 2 sides 6 units and a hypotenuse 10 units.	2016
	Answers		

Challenging Word Problems 6

Page				Printing
151	10.	In the figure below, PQRS is a square, and PR = 14 cm.		2011
	Answers			