3rd grade APTT Winter/Spring

Date: _____

Problem	Solution	I just knew	I can only use one strategy	I can use two strategies	Strategy	Strategy
8 × 7 =		0	0	0		
= 30 ÷ 6		0	0	0		

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Problem	Solution	I just knew	I can only use one strategy	I can use two strategies	Strategy	Strategy
4 × 🔲 = 40		0	0	0		
= 6 × 3		0	0	0		

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Name: ______ 3rd grade APTT Winter/Spring State whether the problems below are true or false and explain your answer.

Problem	True or False?	Explain
Kari solves for 8 \times 9 by multiplying 8 \times 10 then subtracting 8 from the product. She says this strategy of multiplying the other factor by 10 and subtracting the extra group from the product works for multiplying any number by 9. Here's her work for solving 8 \times 9. 8 \times 10 = 80 80 - 8 = 72 8 \times 9 = 72	True or False	
Justin says he can solve any 7s fact problem by using a 5 and a 2 fact. For example, 7 x 6 he thinks of this way: $5 \times 6 = 30$ $2 \times 6 = 12$ 30 + 12 = 42 $7 \times 6 = 42$	True or False	

Please solve the problem below, show your work and explain.

1. A store sells 8 socks in a package. Amelia buy 4 packages. How many socks does Amelia have?

2. An apple farmer has boxes that can hold 6 apples, he has 24 apples. How many boxes will he need to pack up all of his apples? Write all possible equations.

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Problems 1-4

Problem	Accurate	Used one correct strategy (+1) Used two correct strategies (+2)	Points total for problem (out of 3)				
	(+1)	No strategy (+0)					
1	(30)						
2	(40)						
3	(10)						
4	(16)						

Total: _____/12 points

TRUE/FALSE Questions

Name: _____

Problem	Accurate (+1)	Explanation makes sense and used reasoning (+2) Explanation just stated the correct products (+1)	Points total for problem (out of 3)
1	(False)	No/incorrect explanation (+0)	
2	(True)		

Total: _____/6 points

Word Problems

Accurate	Problem 1 & 2: Work	Explanation makes sense and used reasoning (+2)	Points total for problem
(+1)	shown correctly (+1)	Explanation just stated the process with no	
	Problem 2: Includes	reasoning (+1)	
	more than 1 correct	No/incorrect explanation (+0)	
	equation (additional +1)		
(15)			(out of 4 points)
(6)			(out of 5 points)
	(+1) (15)	 (+1) shown correctly (+1) Problem 2: Includes more than 1 correct equation (additional +1) (15) 	 (+1) shown correctly (+1) Problem 2: Includes more than 1 correct equation (additional +1) (15)

_____ out of 27

5/21/18

Total: _____/9 points

Points total

Date: _____