

Name _____

Date _____ Per _____

Simplifying Radicals - Line Puzzle

Directions. Simplify each radical. Connect the unsimplified radical with the correctly simplified version using a straightedge. If a line goes through a number and a letter, put the letter in the numbered box below and watch the answer to the riddle appear!

Why wouldn't the shrimp share his treasure?

1) $\sqrt{18}$	◆																		◆	$2\sqrt{5}$	
2) $\sqrt{448}$	◆						9													◆	$3\sqrt{6}$
3) $\sqrt{63}$	◆				16															◆	$3\sqrt{2}$
4) $\sqrt{12}$	◆	F							4											◆	$2\sqrt{3}$
5) $\sqrt{20}$	◆						S													◆	$8\sqrt{7}$
6) $\sqrt{80}$	◆																			◆	$6\sqrt{3}$
7) $\sqrt{108}$	◆					2														◆	$4\sqrt{5}$
8) $\sqrt{294}$	◆																			◆	$8\sqrt{6}$
9) $\sqrt{27}$	◆																			◆	$3\sqrt{7}$
10) $\sqrt{175}$	◆																			◆	$5\sqrt{2}$
11) $\sqrt{384}$	◆																			◆	$6\sqrt{2}$
12) $\sqrt{50}$	◆																			◆	$7\sqrt{6}$
13) $\sqrt{343}$	◆																			◆	$7\sqrt{7}$
14) $\sqrt{98}$	◆																			◆	$3\sqrt{3}$
15) $\sqrt{54}$	◆																			◆	$4\sqrt{6}$
16) $\sqrt{216}$	◆																			◆	$7\sqrt{2}$
17) $\sqrt{72}$	◆																			◆	$5\sqrt{7}$
18) $\sqrt{96}$	◆																			◆	$6\sqrt{6}$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----