Squares & Square Roots TASK CARDS!

Is 132 a perfect square? Explain why or why not.

Question 8

Question 18

Which number (from the table) could be placed in the blank to make the statement true? $-\sqrt{256} =$ ____

-16

-18

The number √212 lies between which two consecutive whole numbers?

ðjulie Casola,

-14

Question 23

Squares and Square Roots TASK CARDS!

athematica Goals:		Task	Directions:	
Students will.			1) Print one recordir	ng sheet for each
Identify the perfect squares from o			of your students.	The recording
to 400			sheet can be found	d on pages 4 and
 Identify the two consecutive whole numbers between which the square root of a given whole number lies Define a perfect square 			5.	
			2) Print and cut out t	the task cards
			(pages 6-10). Mal	ke as many sets of
			the task cards as you need.	vou need.
• Find the po	ositive or positive and		{Ideas regarding how	to use the task
negative square roots of a given			cards in your classroo	om can be found
whole num	ber from 0 to 400		on the next page!}	
Question	Question 13	Question 8	Question 18	Question 23
What is 1^2 ?	What is $\pm\sqrt{100}$?	Is 132 a perfect square? Explain why or why not.	Which number (from the table) could be placed in the blank to make the statement true? $-\sqrt{256} =$ -18 -18	The number $\sqrt{212}$ lies between which two consecutive whole numbers?
	Students will. Identify the to 400 Identify the numbers be root of a giv Define a per Find the por negative squeres whole num QUESTION What is 1 ² ?	 Students will Identify the perfect squares from to 400 Identify the two consecutive when numbers between which the square root of a given whole number like Define a perfect square Find the positive or positive and negative square roots of a given whole number from o to 400 Question Question I3 What is 1²? What is ±√100? 	Students will Identify the perfect squares from 0 to 400 Identify the two consecutive whole numbers between which the square root of a given whole number lies Define a perfect square Find the positive or positive and negative square roots of a given whole number from 0 to 400 Question Question Question What is 12? What is ±√100?	Students willI) Print one recording of your students.• Identify the perfect squares from 0 to 4001) Print one recording of your students. sheet can be found 5.• Identify the two consecutive whole numbers between which the square root of a given whole number lies2) Print and cut out of (pages 6-10). Mail the task cards as your (pages 6-10). Mail the task cards as your (Ideas regarding how cards in your classrood on the next page!)QuestionQuestion I3Question 8What is 1^2 ?What is $\pm\sqrt{100}$?Is I32 a perfect square? Explain why or why not.What is 1^2 ?What is $\pm\sqrt{100}$?Is I32 a perfect square? Explain why or why not.

Task Cards Directions: There are so many ways to utilize task cards in the classroom! A few ideas are below, but feel free to use the cards however you would like. 1. Print 1 or 2 sets of task cards depending on the number of students enrolled in your classes. Give each student a card and 2-3 minutes to answer the question on his/her card. Then, have learners stand up and walk around the room, trading cards with their peers. When two students trade cards they should each work the new problem on their student activity sheet. Afterwards, students should check answers with one-another and verify that they agree or work out any disagreements. As soon as the two students agree upon an answer, they should take back their original cards and move on to find another classmate to trade with. 2. Print a set of cards for every 2-3 students. Then, assign each card a point value (I usually give values of 1, 2, or 3) based on their difficulty level. Have students work in pairs/small groups to complete the questions on each task card. After enough time has been given, have groups trade and grade each others' answers. Every correct answer earns the group the point value associated with that card. Whichever partnership/small group has the most points after all problems have been graded, wins! **Question** 17 30 Task Cards + estion 6 Question IO Student Recording Sheet Which point represents $\sqrt{144?}$ Plot 3² on a number Fill in the blanks below: line.

a)

c)

 $= -\sqrt{25}$

Answer Key

Included

14

12

13

Name: ______ Date: _____

Period:

Directions: Answer the questions on the task cards in the appropriate space below. Make sure to show all of your thinking!

))	2)	3)
4)	5)	6) 1 2 3 4 5 6 7 8 9 10
7)	8)	Q) a) b) c)
IO) a)	D	2)
3)	H)	15)
16)	7)	18)

Name: ______ Po

Period: _____

Directions: Answer the questions on the task cards in the appropriate space below. Make sure to show all of your thinking!

Q) A) $-\sqrt{400} = -20$ B) $\pm\sqrt{296} = \pm 14$ C) $\sqrt{289} = 17$ D) $\pm\sqrt{324} = \pm 18$	20)	2)
22)	23)	²⁴⁾ 2 3 4 5 6
25)	26)	27)
28)	29)	30)











Name: Key Date: Period: _____

Directions: Answer the questions on the task cards in the appropriate space below. Make sure to show all of your thinking!



Name:	Key	
Date:	0	Period:

Directions: Answer the questions on the task cards in the appropriate space below. Make sure to show all of your thinking!



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