

SUPERSTARS III

Pluto, II

Name: _____

(This shows my own thinking.)

- ★★1. A sidewalk was built to connect each house below to every other house. How many sidewalks were built?



Answer: _____ sidewalks

- ★2. These numbers reflect the variation from normal depth of the water level of Lake Okeechobee for five Mondays. Find the average of these five depths.

19.53 8.72 31.27 -2.71 -22.13

Answer: _____

- ★★★3. On a purchase of a pair of athletic shoes, you are offered a 15% discount and a 10% discount to be taken in either order. Which do you ask for first to get the lowest price?

Answer: _____

- ★★4. A basketball player is $6\frac{3}{4}$ feet tall. How tall is he in inches?

Answer: _____ inches tall



- ★5. I want to buy a pair of jeans that cost about \$32.00, shoes that cost about \$39.00, and a vest that costs about \$16.00. On top of that, there is a 6% tax. To the nearest \$20 bill, how much money should I bring?

Answer: _____



- ★★★★6. If I take 9 hours to complete a project and you can complete it in $4\frac{1}{2}$ hours, how long would it take us to complete the project together?

Answer: _____ hours

- ★7. If January 1st is on a Friday, what day of the week is February 23rd of that same year?

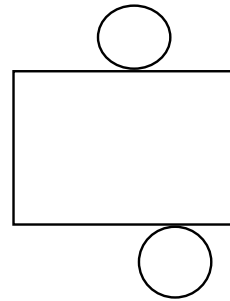
Answer: _____

- ★★★★8. Before the age of technology, the library was overflowing with books. Then during one decade, each book was stored on microfiche. This new storage space was equal to the cube root of the old space. In the next decade, the microfiche were converted to diskettes. This new storage space was equal to the square root of the previous space. Finally, in this decade, each tape has been changed over to a compact disc. The current space is 23 percent of the previous space. If the current space is equal to 3 books, how many books were in the old library?

Answer: _____ books

- ★★9. What geometric solid is this, when the shape is cut out and the lines become the edges of the 3-dimensional shape?

Answer: It's a _____.



- ★★★10. A lizard is at the bottom of a well 27 meters deep. He climbs 5 meters every day, but falls back 3 meters every night. How many days does he take to reach the top?

Answer: _____ days