

MATH SUPERSTARS – 4

Jupiter, XVIII

Name: _____
(This shows my own thinking.)

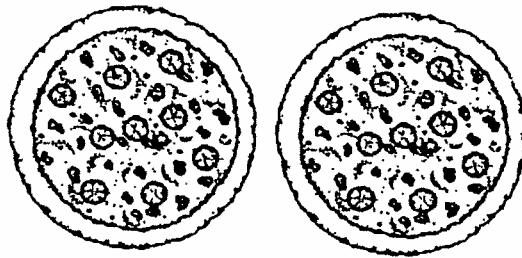
- ★★★ 1. You are playing a card game with a full deck of 52 cards. You win if you draw a *red card* that is a *multiple of 5*. What are your chances of winning on your first draw?



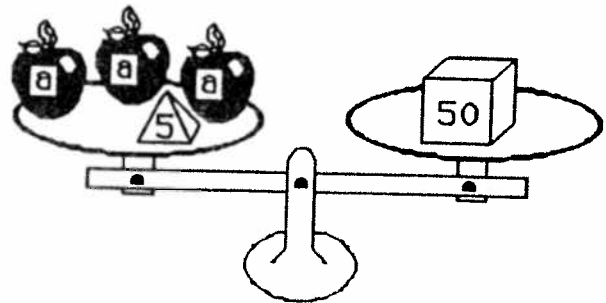
Answer: _____

- ★★★ 2. The Tappens ordered two pizzas for dinner Friday. Dad ate $\frac{3}{4}$ of one pizza, Jenny ate $\frac{1}{8}$ of a pizza, Danny ate $\frac{1}{4}$ of a pizza, and Mom ate $\frac{1}{2}$ of a pizza. What fraction of a pizza was left for a midnight snack?

Answer: _____ of a pizza



- ★★★ 3. Leah liked to balance objects she found around the house using the science kit she got for Christmas. She found that 3 identical apples and a 5-gram weight exactly balanced a 50-gram weight. Leah said she could tell how much each apple weighed by solving the equation $3a + 5 = 50$. Prove Leah was correct by finding the weight of 1 apple.

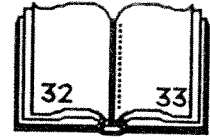


Answer: $a =$ _____

- ★★ 4. Apalachee Elementary School has a total of 16 classes. There are 104 fourth graders, divided equally among 4 classrooms. How many fourth graders are in each class?

Answer: _____

- ★ 5. If one or both of the numbers in a multiplication problem are *even*, the product will be *even*. Therefore if you open a book and multiply the facing page numbers together, the product will be an *even* or *odd* number?



Answer: _____

- ★★★ 6. Tonya is making friendship bracelets for each girl coming to her sleep-over party. Each bracelet will be braided with 4 purple strings, 3 yellow strings, 2 green strings and 3 blue strings. She is expecting 8 friends to attend her party. Each string costs 10 cents. It takes Tonya about 20 minutes to braid each bracelet.



- a. How much will the string cost Tonya? _____
 b. How long will it take Tonya to make all the bracelets ? ____ hours and ____ minutes

- ★ 7. About how long is it around the outside edge of an ordinary door in your home? Circle the best answer below.

- (a) 10 meters (b) 4 meters (c) 15 meters (d) 6 meters



- ★★★★ 8. Below is a bus schedule showing departure times and arrival times from various cities in Florida to Ft. Lauderdale. How much time does the longest trip take?

DEPARTURES		ARRIVALS	
Jacksonville	8:30 AM	Ft. Lauderdale	3:00 PM
Tallahassee	7:30 AM	Ft. Lauderdale	7:00 PM
Tampa	10:00 AM	Ft. Lauderdale	3:00 PM
St. Augustine	8:00 PM	Ft. Lauderdale	4:00 AM

Answer: _____ hours and _____ minutes