

SUNSHINE MATH - 8  
Pluto, XIII

Name: \_\_\_\_\_

(This shows my own thinking.)

- ★ 1. Pizza Heaven offered to donate pepperoni pizza to give out at the school pep rally. If 1000 students are expected at the pep rally, and each pizza is cut into 8 slices, how many pizzas will Pizza Heaven have to deliver for each student to get 1 piece?

Answer: \_\_\_\_\_



- ★ 2. When does four come after five, other than when it's written in numerals like 54 or 574?

Answer: \_\_\_\_\_

- ★★★ 3. The new manager for Dillard's was hired with a beginning monthly salary  $x$  and told she would be given a 10% raise to \$3000 a month, within 6 months. What was her beginning salary  $x$ ?

Answer:  $x = \$$  \_\_\_\_\_

- ★★★ 4. Warrick and Ricardo are reading the same 230-page mystery novel. Ricardo had a speed-reading course last summer and so reads 5 pages for every 2 that Warrick reads. Warrick has read 28 pages -- how many pages does Ricardo have left to read?

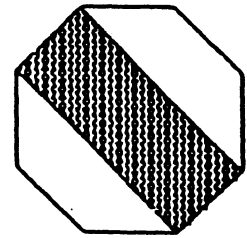
Answer: \_\_\_\_\_ pages



- ★★★★ 5. Michael Jordan is flying from Chicago to Nagasaki, Japan. A non-stop flight takes 17 hours and 20 minutes. On this flight, the plane makes a stop in Sacramento for 2 hours and 15 minutes and another in Honolulu for 1 hour and 40 minutes. Michael left Chicago at 3:45 p.m. on Thursday. What day and time did he land in Nagasaki, Chicago time?

Answer: \_\_\_\_\_

- ★★★★ 6. A regular octagon is shown to the right. What is the area of the shaded part, as a fraction of the whole octagon?



Answer: \_\_\_\_\_

- ★★ 7. Nelson Construction built a drainage ditch that was 800 feet long, 6 feet wide, and  $5\frac{1}{2}$  feet deep. If a truck can carry 2000 cubic feet of dirt, about how many truck loads were needed to carry all the dirt away?

Answer: \_\_\_\_\_ truckloads

- ★★ 8. Practice doing problems like those below mentally. When you turn in your paper, you will have a chance to do such a problem in your head.

a.  $(3 \times 48 + 3 \times 2) + (25 \times 7 \times 4)$

b.  $(5 + 25 \times 7) \times (55 + 45)$

c.  $[(330 + 10) \times 3] + (250 \times 2)$

d.  $(0.50 \times 12 + 4) + (1 + 18 + 1)$

Answer to the problem when I turn in my paper: \_\_\_\_\_

- ★★ 9. Select the best drawing to illustrate this situation, and find the numerical answer using the drawing.

Lionel fell asleep at the half-way point while riding in a car from Tampa to Ft. Myers. When he awoke, he still had to travel half as far as he traveled while sleeping. If the trip was 200 miles long, for about how many miles was Lionel asleep?

Answer:

The best sketch is \_\_\_\_\_.

He was asleep about \_\_\_\_\_ miles.

