

MATH SUPERSTARS – 5

Saturn, XIV




Name: _____

(This shows my own thinking.)

★★★ 1. Complete each sentence by drawing a picture in the space beside it.

a.  is to  as  is to _____

b.  is to  as  is to _____

c.  is to  as  is to _____

★★ 2. Fill in the missing fractions. The same fraction is used in both spaces.

$$\left(\frac{4}{8} - \quad \right) + \left(\frac{5}{8} - \quad \right) = \frac{7}{8}$$

★ 3. Solve if there is enough information. If not, tell what is missing. Becky bought a pack of paper that cost \$5.95. Tony bought a pack that cost \$6.49. Who bought the most paper?

Answer: _____

★★★ 4. Maria works at the community relief center every summer. She is a really good worker. She earns \$8.00 per hour for her regular 40-hours a week. Last week she worked 47 hours. How much did Maria earn if she gets "time and a half" for overtime?

Answer: _____

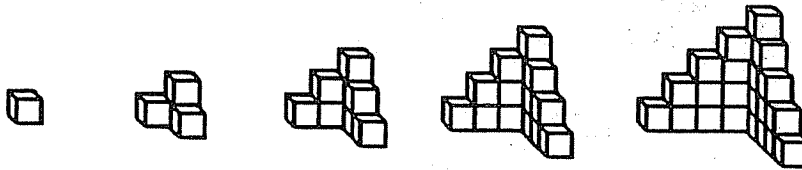


- ★★★ 5. Complete the chart below. Each of the three students earns \$5.75 per hour.

Employee work schedule and amount earned

Employee	In	Out	Hours	Amt. Earned
Bachie	8:00 A.M.	6:00 P.M.		
Dustin	12:30 P.M.	5:00 P.M.		
Monica	9:00 A.M.	5:30 P.M.		

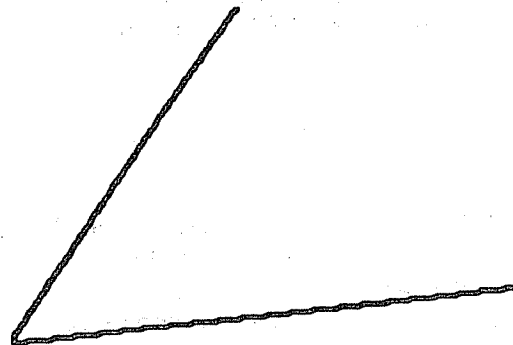
- ★★★★ 6. This pattern of buildings is made with blocks. Building 1 is made from 1 block, Building 2 from 4 blocks, and so on.



Bldg. 1 Bldg. 2 Bldg. 3 Bldg. 4 Bldg. 5 Bldg. 6 ...

- How many blocks are needed for Building 3? _____
- How many blocks are needed for Building 4? _____
- How many blocks are needed for Building 10? _____
- How many blocks for Building n , where n could stand for any number? _____

- ★ 7. Fold this sheet of paper so that you *bisect* the angle. *Bisect* means that you exactly cut it in half. With your pencil, darken-in the crease in the paper. The line you draw is the *bisector* of the angle.



- ★★★ 8. Open a book and look at the two page numbers.
- Is their sum an *even* number, or an *odd* number? _____
 - Is their product an *even* number, or an *odd* number? _____
 - If you opened the book to two different pages, would your answers to (a) and (b) be the same? _____