

SUNSHINE MATH - 7

Neptune, XXII

Name: _____

(This shows my own thinking.)

- ★★ 1. The first four skating judges gave Mario & Maria a 4.2, 4.3, 4.6 and 5.0. What did the fifth judge give Mario & Maria if their average score from five judges was 4.6?

Answer: _____



- ★★ 2. Which group is ordered from least to greatest? Use your number sense!

a) $\frac{7}{3}, \frac{5}{2}, \frac{19}{10}$

c) $\frac{2}{6}, \frac{2}{8}, \frac{2}{10}$

b) $\frac{4}{9}, \frac{4}{8}, \frac{4}{7}$

d) $\frac{3}{5}, \frac{4}{8}, \frac{5}{9}$

Answer: _____

- ★★★★ 3. Cathy walks 1 mile in 20 minutes. She runs 1 mile in 10 minutes. At a recent 2-hour practice, to warm up and cool down Cathy walked for one-fourth of the 2 hours; she ran for three-fourths of the 2 hours. How many miles did Cathy travel in the practice session?

Answer: _____

- ★ 4. If 10% of 10% of a certain number x is 2, then x is:

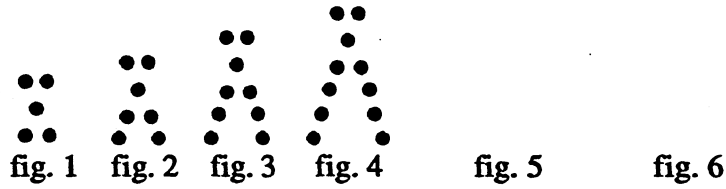
Answer: _____

- ★★★★ 5. Of 20 students in class, 15 have brown hair, 16 have brown eyes, and 12 have both brown hair and brown eyes. How many students have neither brown hair nor brown eyes?



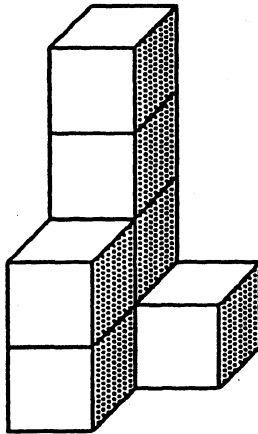
Answer: _____

★★ 6. Draw the next two figures in the pattern below:



- ★★★ 7. (a) How many dots would it take to make figure 10 in the pattern above? _____
 (b) How many dots would it take to make figure n in the pattern above? _____

- ★★★★ 8. This figure is made from seven cubes glued together. If the figure was dipped into paint, removed, then separated into cubes, how many square faces would not be painted?



Answer: _____

- ★ 9. In an airplane, 6 seats are placed in each row. What is the minimum number of 6-seat rows needed to seat 170 people?

Answer: _____