

	Answer:	Green copy	Orange copy
#1	$a : 387$ millimeters $b : 0.000387$ kilometers	D	B
#2	4412	E	C
#3	60	B	D

4.

QUANTITY	VALUE
Speed of boat A	18 nm/h
Speed of boat B	22 nm/h
Distance traveled by boat A in t hours	n. m.
Distance traveled by boat B in t hours	n. m.
Distance between boats after t hours	n. m.

5.

QUANTITY	METRIC UNIT OF MEASURE
Thickness of a piece of paper	millimeter
Distance from Purdue to IU	kilometer
Amount of water to fill a washing machine	liter
Amount of liquid in a medicine dropper	milliliter
Mass of a piece of macaroni	gram

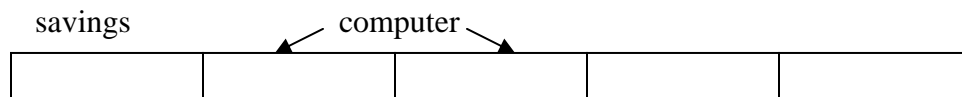
6. two thousand, three hundred sixty-eight and one hundred fifty-four thousandths

7.

Cost of chair – no arms

Cost of chair – with arms ⁺¹²

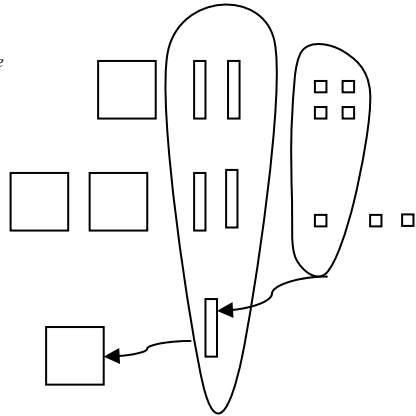
Cost of table



8. 20131_b

9. x is greater because x has a higher base so after the first place value, each place value is worth more.

10. 402_{five}



11. I subtracted 4 from the number of Hershey bars to determine the number of Reese's Cups.

18 tootsie rolls

12. The word problem must suggest starting with \$19.50 and ADDING UP to reach \$35.95.

Julie has \$19.50 in her purse. She sees a jacket with a price tag of \$35.95. How much money does she need to have a total of \$35.95?

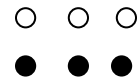
13. yes

She subtracted one place value at a time.

$$\begin{array}{r}
 9526 \\
 -3719 \\
 \hline
 -3 \\
 10 \\
 -200 \\
 \hline
 6000 \\
 5807
 \end{array}$$

14. The sketch of $\frac{1}{2} \times 6$

should show a set of six objects with half of them shaded.



The sketch of

$$6 \times \frac{1}{2}$$

Should show one-half of a unit repeated six times.

