

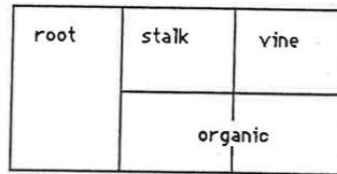
1. The snail is climbing and then falling. The snail is making progress at the rate of 1 foot per day, and on the 15th day, it reaches 19 feet, and then falls back to 15 feet at night. On the 16th day, the snail reaches 20 feet, which is the top of the wall. The snail can go away, and it won't fall back.
C. 16

2. Three-digit < 200 divisible by 12:
108, 120, 132, 144, 156, 168, 180, 192
Three-digit < 200 divisible by 9:
108, 117, 126, 135, 144, 153, 162, 171, 180, 189, 198
So 108, 144 and 180 are divisible by 12 and 9.
The units digit is less than the tens digit: 180

3. \$10 for 100 pretzels means his cost per pretzel is 10¢ each. If he sells his pretzels for 25¢ each, he makes a profit of 15¢ per pretzel. Therefore 100 pretzels would bring a profit of 100 x 15¢ = \$15
B. \$15



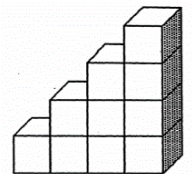
4.



A. $\frac{1}{3}$

5. The 8 pigs were $\frac{1}{4}$ of the total number of animals, since that is the amount left when $1 - \frac{1}{4} - \frac{1}{2} = \frac{1}{4}$. The total number of animals is 4x8=32.
C. 32

6. There are 10 faces on the side showing, so there are 20 altogether on the two sides. There are 8 faces the make up the "steps," and 4 more on the end.
C. 32



7. First, find how each item will cost on sale. Divide the price of the dress by 2 to get the new price, \$47.25. Divide the price of the shoes by 4 to get \$7.49, and subtract that from the regular price to get the sale price, \$22.47. Then add these two sale prices to get \$69.72.
\$69.72

8. There are 54 M&M's. There are 13 red or blue M&M's and not whites, so the chances of getting a color in the American flag is $\frac{13}{54}$.
B. $\frac{13}{54}$

green	11
red	8
yellow	13
tan	7
brown	10
blue	5



C. $\frac{4}{52}$

9. There are 52 cards. Out of each suit, there are two card that are multiples of 5, the 5 and the 10. There are two red suits, diamonds and hearts. Therefore there are four such cards, out of 52 in the deck.

10. Use A, B, C, D, E, and F to represent the six classrooms, and each class needs to play 5 games. Also, each game between two classes should only be counted once.
C. 15

Class:	Opponents:					
	A	B	C	D	E	F
A		AB	AC	AD	AE	AF
B	AB		BC	BD	BE	BF
C	AC	BC		CD	CE	CF
D	AD	BD	CD		DE	DF
E	AE	BE	CE	DE		EF
F	AF	BF	CF	DF	EF	

11. There are 10 bricks (10x10 cm = 100 cm) and 9 sections of mortar (9x2 cm = 18 cm). The total is then 100 cm + 18 cm = 118 cm.
B. 118 cm

