

## 9. Being Careful in Math

- ★ We must be careful in math because the answers must be exact. Below is an exercise that may at first glance appear easy but can be a challenge. Answer the questions below the limerick. Be careful!

Arrogant, a boy was counting with dignity  
 These letters with skill and ability;  
 He thought he knew it all  
 But pride before a fall  
 He missed the “ty” in modesty.



1. What is the total number of r's? \_\_\_\_\_
2. What is the total number of s's? \_\_\_\_\_
3. What is the total number of a's and o's? \_\_\_\_\_
4. Subtract the number of l's from the number of t's.  
 \_\_\_\_\_
5. Multiply the number of m's times the number of k's.  
 \_\_\_\_\_
6. Add the number of g's to the number of u's and b's. \_\_\_\_\_
7. Subtract the number of c's from the number of h's. \_\_\_\_\_
8. Subtract the number of d's from the number of y's. \_\_\_\_\_
9. Add the number of w's to the total number of n's. \_\_\_\_\_
10. Subtract the total number of vowels (a, e, i, o, u) from the total number of letters in the limerick. \_\_\_\_\_

# 51, Pirate Math

- ★ Pirates, or buccaneers, are people of intrigue. Let's find out more about them. First, read these facts. Then answer the questions below and on worksheet 52.

## IMPORTANT PIRATE FACTS:

- A. The female pirate Anne Bonny, in 1720, had a ship The Contessa that weighed 4.749 tons when empty. It was 57.32 feet long by 21.31 feet wide.
- B. The male pirate Edward Teach, known as Blackbeard, had a ship The Sea Bandit that weighed 4.629 tons and was 53.37 feet long by 21.30 feet wide.
- C. One statute mile across land is 5,280 feet.
- D. One nautical mile across water (called a knot) is 6,076.1033 feet.
- E. The Spanish Main, where pirates traveled, was the mainland coast of South America. That coastline is 3,948.27 nautical miles (knots) long.
- F. 1 doubloon = 4 Spanish Pistoles = \$15.71 U.S. dollars.
- G. 1 piece of eight = 8 Spanish Reals = \$1.14 U.S. dollars.
- H. 1 ton = 2,000 pounds.

## PIRATE QUESTIONS:

1. Blackbeard bought a rowboat for 12.71 pieces of eight. How much is this in U.S. dollars? \_\_\_\_\_
2. Anne Bonny loaded 4,028 doubloons into her boat. Each doubloon weighed 0.42 lbs. How much money did she have in U.S. dollars? \_\_\_\_\_ What was the weight of the doubloons? \_\_\_\_\_ What was the new weight of her ship? \_\_\_\_\_
3. How many pieces of eight does it take to equal the value of a doubloon in U.S. dollars? \_\_\_\_\_
4. Blackbeard went up and down the Spanish Main five times. How many nautical miles (knots) did he travel? \_\_\_\_\_
5. Blackbeard buried 7,847 doubloons near Ooracoke Inlet in North Carolina that has not been found to this day. What is the value of this buried treasure in U.S. dollars? \_\_\_\_\_
6. How many feet longer is a nautical mile than a statute mile? \_\_\_\_\_
7. How many feet longer is The Contessa than The Sea Bandit? \_\_\_\_\_  
How many feet wider? \_\_\_\_\_

# 124. Skills Mastery Test—Money

★ Read and answer each question carefully:

1. The latest video game system costs \$369.00. You make \$6.00 per hour. How many hours must you work in order to pay for it? \_\_\_\_\_
2. \$7.25 per hour for 40 hours per week = \_\_\_\_\_ wages per week

★ Complete this chart:

	Cost of Item	Down Payment	Principal or Amount Borrowed	Simple Interest Rate/Year	Period of Loan	Amount of Interest	Total to Be Repaid	Total Cost of Object Bought
3.	\$1,000	\$100	\$900	7%	1 year			
4.	\$1,200	\$300	\$900	4%	2 years			

- |   |                                   |
|---|-----------------------------------|
| 5. $\$2.98 \times 7 =$ _____                | 11. $\$327.42 + \$879.45 =$ _____ |
| 6. $\$4.91 \times 9 =$ _____                | 12. $\$13.13 + \$14.14 =$ _____   |
| 7. $\$327.22 \times 5 =$ _____              | 13. $\$12.72 + \$847.91 =$ _____  |
| 8. $4 \overline{) \$3.24} =$ _____          | 14. $\$62.37 - \$2.27 =$ _____    |
| 9. $5 \overline{) \$675.25} =$ _____        | 15. $\$137.11 - \$49.12 =$ _____  |
| 10. $8 \overline{) \$520.00} =$ _____       | 16. $\$847.14 - \$99.94 =$ _____  |
| 17. $\$9,246.10 - \$327.40 =$ _____         |                                   |
| 18. $\$3.24 + \$9.44 - \$1.27 =$ _____      |                                   |
| 19. $\$6.94 + \$96.74 - \$0.27 =$ _____     |                                   |
| 20. $\$9.99 \div 3 + \$3.94 =$ _____        |                                   |
| 21. $\$12.99 \div \$4.33 + \$42.71 =$ _____ |                                   |
| 22. $\$7.89 \times 5 + \$62.45 =$ _____     |                                   |
| 23. $\$6.22 \times 3 + \$98.25 =$ _____     |                                   |

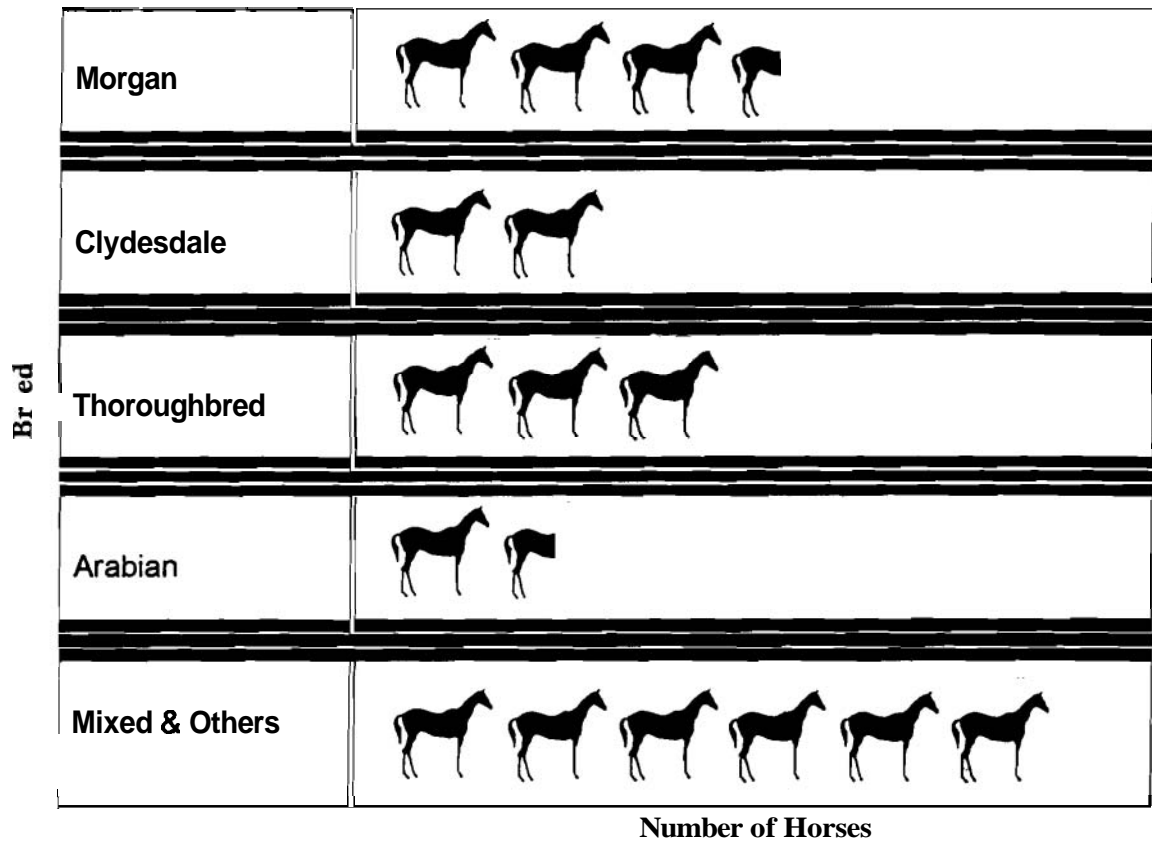
★ Read and answer each question carefully:

24. Which is the better buy: 3 candies at 49¢ each or 4 candies for \$1.99?  
\_\_\_\_\_
25. Which is the better buy: 11 video games for \$189.00 or 14 video games at \$7.99 each?  
\_\_\_\_\_

# 151, The Picture Graph

- ★ The picture graph is another way to make quick comparisons by providing information visually. They are easy to read. Let's read the following picture graph.

**The Number of Horses by Breed in the U.S.A.**



*Each horse = 10,000 animals*

- Which horse breed has 35,000 horses? \_\_\_\_\_
- Why do two of the breeds have half horses at the end?  
\_\_\_\_\_
- In the U.S., how many more Clydesdales are there than Arabians?  
\_\_\_\_\_
- Does this graph show the financial value of the horses? \_\_\_\_\_
- What is the total number of Thoroughbreds, Morgans, and Arabians?  
\_\_\_\_\_