

Northwest Middle School

Blizzard Bag #3

Name _____

Date _____

6th Grade Math

Mrs. Throckmorton

- * Explain what needs to be done for each problem**
- * Show the work for each problem**
- * Circle your answer for each problem**

NO CALCULATOR

Mathematics Sample Test – Grade 6

1. There is a $\frac{2}{3}$ probability that you will have homework in math class

What is the probability you will NOT have homework?

- A. 0
- B. $\frac{1}{3}$
- C. $\frac{2}{3}$
- D. 1
2. Fencing is sold for \$1.50 per foot at the garden store. Shawn needs 24 feet of fence for his new puppy's yard.
How much will the fence cost?
- A. \$9.00
- B. \$22.50
- C. \$25.50
- D. \$36.00
3. Mary and Chris work on a farm and earn more money each day.
How much money will each make on the next Wednesday?

	M	T	W	Th	F	M	T	W
Mary	\$3.00	\$6.00	\$9.00	\$12.00	\$15.00	\$18.00		
Chris	\$2.50	\$5.00	\$7.50	\$10.00	\$12.50	\$15.00		

- A. Mary \$63, Chris \$52.50
- B. Mary \$21, Chris \$17.50
- C. Mary \$24, Chris \$20.00
- D. Mary \$69, Chris \$62.50

Mathematics Sample Test – Grade 6

4. Evaluate $ab + 5c - d$

if $a = 3$, $b = 2$, $c = 7$, and $d = 4$

- A. 21
- B. 37
- C. 73
- D. 143

5. Which is the best estimate to the following problem:

$$25.346 \times 3.94 = \square$$

- A. 75
- B. 78
- C. 84
- D. 100

6. In a class of 24 students, $\frac{1}{3}$ of the class has brown eyes.

How many students have brown eyes?

- A. 3
- B. 4
- C. 6
- D. 8

7. There are 5 chips, numbered 1 through 5.

If one chip is selected at random, what is the probability it will have an even number on it?

- A. $\frac{1}{5}$
- B. $\frac{2}{5}$
- C. $\frac{1}{2}$
- D. $\frac{3}{4}$

Mathematics Sample Test – Grade 6

8. Debbie bought 3 bags of potato chips at \$3.19 each.
How much change will she get back from a \$20.00 bill?
- A. \$3.19
 - B. \$9.57
 - C. \$10.43
 - D. \$16.81
9. Marty earned \$4.50 an hour mowing lawns. He worked 5 hours a day, 4 days a week for 3 weeks.
How much money did he earn during this time?
- A. \$16.50
 - B. \$22.50
 - C. \$90.00
 - D. \$270.00
10. This math sentence represents the total number of cow legs in the cow pen. If you know that \square represents the number of cows and there are 12 cows in the pen, what does the Δ represent?
 $\square \times \Delta = 48$
- A. The amount of grain the cows eat.
 - B. How much milk each cow gives.
 - C. The number of legs on each cow.
 - D. The total number of legs in the pen.
11. Which of these expressions is equivalent to:
 $7(9 + 11)$
- A. $(7 \times 9) + (7 \times 11)$
 - B. $63 + 11$
 - C. $(7 + 9) \times (7 + 11)$
 - D. $16 + 18$
12. Two packages of cookies cost \$5.90.
How much do 6 packages cost?
- A. \$35.40
 - B. \$17.70
 - C. \$11.90
 - D. \$2.95