

2009

6th Grade Mathematics Test

- 1) What is the value of $28 \div 4(7 - 2)^2$?
 - a) 0.28
 - b) 21
 - c) 45
 - d) 175

- 2) Tina bought a swimsuit on sale for 25% of the original price. If the original price was \$32, what was the sale price of the swimsuit before tax?
 - a) \$57
 - b) \$40
 - c) \$24
 - d) \$8

- 3) A box contains 4 blue chips, 8 yellow chips, and some green chips. If the probability of selecting a green chip is $\frac{1}{7}$, how many green chips are in the box?
 - a) 1
 - b) 2
 - c) 7
 - d) 9

- 4) A pretzel stand at the state fair sells 3 pretzels for \$6.75, 6 for \$13.50, and 9 for \$20.25. What is the *most likely* cost for 15 pretzels?
 - a) \$27.00
 - b) \$33.75
 - c) \$40.50
 - d) \$46.75

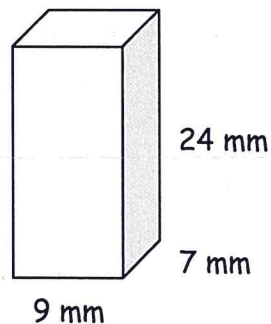
- 5) A box has a shipping limit of 40 pounds. If a factory wants to ship toys that weigh $\frac{3}{4}$ of a pound each, how many can they fit in a box?
 - a) 52
 - b) 53
 - c) 54
 - d) 55

- 6) Which expression should go at the top of the second column in the table?

m	?
1	2
3	8
4	11
6	17
10	29

 table?
 - a) $m + 1$
 - b) $m \times 2$
 - c) $(m + 1) \times 2$
 - d) $(m \times 3) - 1$

- 7) What is the volume of the rectangular box?
 - a) 320 mm^3
 - b) 384 mm^3
 - c) 894 mm^3
 - d) $1,512 \text{ mm}^3$



48) What is the solution to the problem below in lowest terms?

$$\frac{8}{9} \div \frac{2}{7}$$

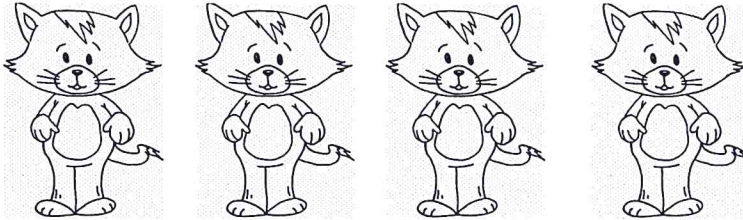
a) $\frac{4}{63}$

b) $\frac{16}{63}$

c) $3\frac{1}{9}$

d) $3\frac{2}{9}$

49) Use the clues below to label each cat.



- 1 2 3 4
- The gray cat is not first.
 - The tabby cat is to the right of the white cat.
 - The white cat is not last.
 - The black cat is between the tabby and gray cats.

- a) white, tabby, black, gray
b) tabby, black, white, gray
c) tabby, black, gray, white
d) white, tabby, gray, black.

50) A restaurant is offering a combination dinner special. Donna can choose one entrée, one side, and one drink. The entrees are hamburger, chicken sandwich, and lasagna. The sides are salad, fruit, and chips. The drinks are milk, juice, and soda. How many different dinner combinations can Donna choose?

- a) 27 b) 18
c) 9 d) 3

6th Grade Individual Test 2009 Answers

- | | |
|-------|-------|
| 1) d | 26) d |
| 2) c | 27) b |
| 3) b | 28) d |
| 4) b | 29) b |
| 5) b | 30) c |
| 6) d | 31) d |
| 7) d | 32) d |
| 8) b | 33) c |
| 9) d | 34) c |
| 10) d | 35) b |
| 11) c | 36) a |
| 12) b | 37) d |
| 13) b | 38) c |
| 14) b | 39) b |
| 15) b | 40) b |
| 16) c | 41) c |
| 17) c | 42) b |
| 18) c | 43) a |
| 19) a | 44) d |
| 20) d | 45) d |
| 21) c | 46) c |
| 22) c | 47) c |
| 23) d | 48) c |
| 24) b | 49) a |
| 25) c | 50) a |