

1. Ms. Conrad has 25 dolls. She bought 6 of the dolls in France. Her sister in England sent 7 of the dolls. Three of the dolls came from Greece. Ms. Conrad bought the rest of her dolls in the United States. How many dolls did she buy in the United States?

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

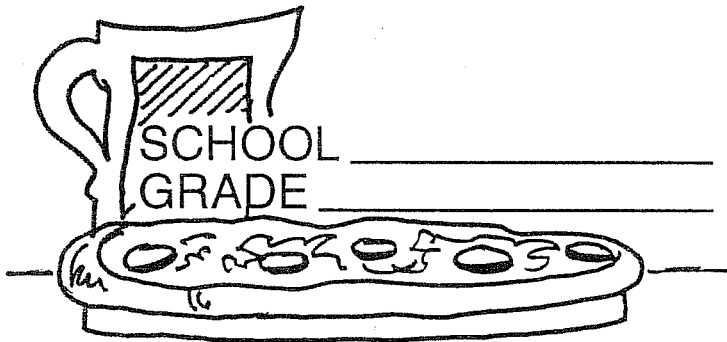
ANSWER

9. Alison bought 12 boxes of instant soup mix for her camping trip. There were 4 packages of soup mix in each box. At the end of her two-week camping trip, Alison had 9 packages of soup mix left. How many packages of soup mix did she use on her trip?

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

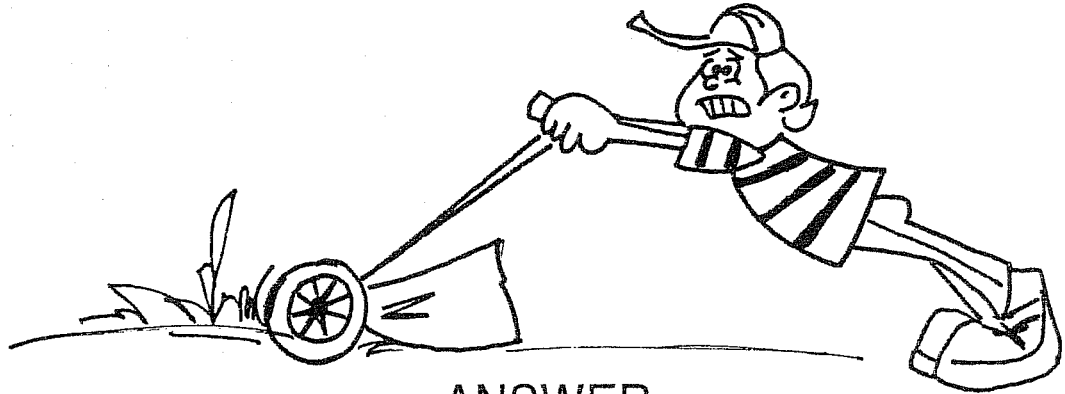
2. Marci, Jake, and Betsy ordered a pizza that cost \$4.50 and a pitcher of punch that cost \$1.50. They shared the total cost equally. How much was each person's share?



SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

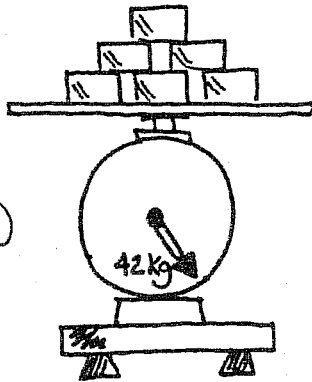
10. Carl wants to buy a train ticket for \$65. Last week he earned \$4 an hour mowing lawns. He worked for 12 hours. How much more money does Carl need to buy the ticket?



SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

3. The mass of each block is the same. How many more of these blocks would you have to put on the scale to have the scale show 63 kilograms?

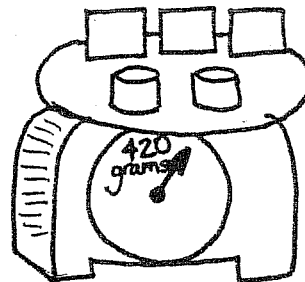


(Scale shows 42 kg)

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

11. The cylinders are exactly the same size. The mass of each cube is 100 grams. What is the mass of each cylinder?

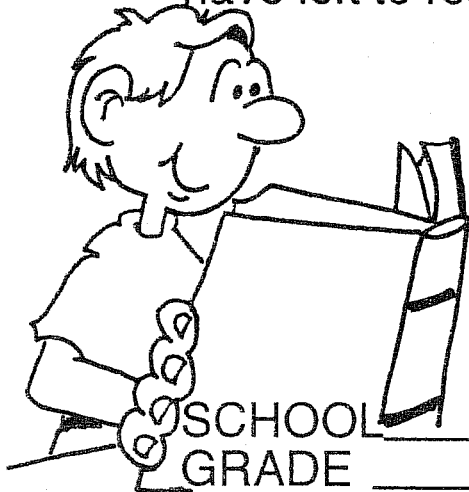


(Scale shows 420 g)

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

4. There are 280 pages in Arnie's book. Arnie read 25 pages on Monday. He read twice as many pages on Tuesday as on Monday. How many pages does Arnie have left to read?



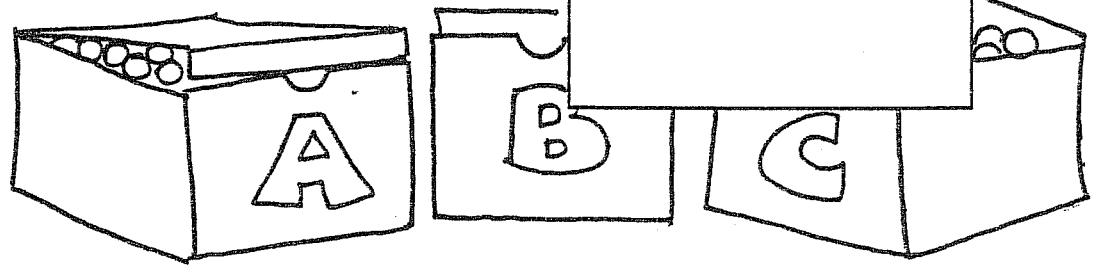
SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

12. Brad has 420 marbles. He put his marbles into these 3 boxes. He put half of the marbles into Box A. He put 45 marbles into Box B. How many marbles did he put into Box C?

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER



5. Mr. McDonald bought 3 reserved grandstand and 2 upper box tickets. He gave the clerk 2 twenty-dollar bills. How much change did he get?

<u>TICKET PRICES</u>	
Lower Boxes	\$6
Upper Boxes	\$5
Reserved Grandstand	\$4
Bleachers	\$2
BOX OFFICE OPEN	
10AM - 6 PM	

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

13. You buy 3 pens and 6 pencils. What is your change from a five-dollar bill?

SALE!	
Pens	25¢
Erasers	5¢
Pencils	10¢

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

6. The mean, median, and mode of these five scores are all the same. What is Elsie's score?

<u>Player</u>	<u>Scores</u>
Sue	30
Roger	80
Jean	50
George	40
Elsie	—

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

14. Five members of the defensive line of the Broncos have an average weight of 265 pounds. The weights of all the defensive players are on the board. What are the weights of the five linemen?

<u>WEIGHTS</u>	
245	274
210	229
230	283
217	218
248	275

223

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

7. Tickets for the play were \$7.00 for adults and \$4.50 for children. Two hundred people attended the play. There were as many adults as children. How much money was collected from the sale of tickets?

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

15. I sell boxes of cards to make money. I buy the boxes at 5 for \$2.50. I sell the boxes as 5 for \$4.00. How many boxes of cards do I have to sell to make \$3.00?

SCHOOL \_\_\_\_\_  
GRADE \_\_\_\_\_

ANSWER

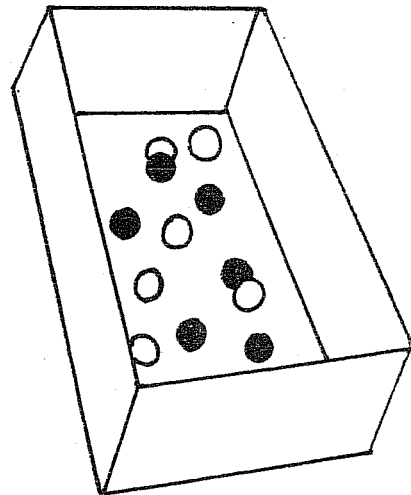
8. What one coin should you pick up so that  $\frac{1}{4}$  of the remaining money shows heads?  
 (Be very specific!)



SCHOOL \_\_\_\_\_  
 GRADE \_\_\_\_\_

ANSWER

16. How many black marbles should you take out of the box so that  $\frac{1}{4}$  of the remaining marbles are black?



SCHOOL \_\_\_\_\_  
 GRADE \_\_\_\_\_

ANSWER

**Burger King and Southeast Bulloch  
1997 Math Team 5th and 6th Grade Math Tournament  
Individual Answers**

- |     |   |     |   |
|-----|---|-----|---|
| 1.  | C | 21. | B |
| 2.  | B | 22. | C |
| 3.  | C | 23. | D |
| 4.  | D | 24. | A |
| 5.  | B | 25. | D |
| 6.  | D | 26. | B |
| 7.  | A | 27. | C |
| 8.  | B | 28. | B |
| 9.  | C | 29. | D |
| 10. | D | 30. | A |
| 11. | B | 31. | C |
| 12. | A | 32. | B |
| 13. | C | 33. | C |
| 14. | D | 34. | A |
| 15. | A | 35. | B |
| 16. | D | 36. | B |
| 17. | B | 37. | B |
| 18. | B | 38. | D |
| 19. | D | 39. | D |
| 20. | A | 40. | B |

**CIPHERING ANSWERS**

- |    |                   |     |                         |
|----|-------------------|-----|-------------------------|
| 1. | 9                 | 9.  | 39                      |
| 2. | \$2               | 10. | \$17                    |
| 3. | 3                 | 11. | 60                      |
| 4. | 205               | 12. | 165                     |
| 5. | \$18              | 13. | \$3.65                  |
| 6. | 50                | 14. | 245, 248, 274, 275, 283 |
| 7. | \$1150            | 15. | 10 boxes                |
| 8. | Quarter, heads up | 16. | 4                       |