

1. Simplify:

$$4^2 * [3 \div (2 + 4)] - (2^2 - 1)$$

Answer

9. Simplify:

$$\frac{3 - \frac{3}{4} + \frac{1}{2}}{2 + \frac{1}{3}}$$

Answer

2. A clock strikes the hours only. For example, at 2 o' clock it strikes twice. How many times does it strike in one day?

Answer

10. Approximately how many minutes old were you on your first birthday?

Answer

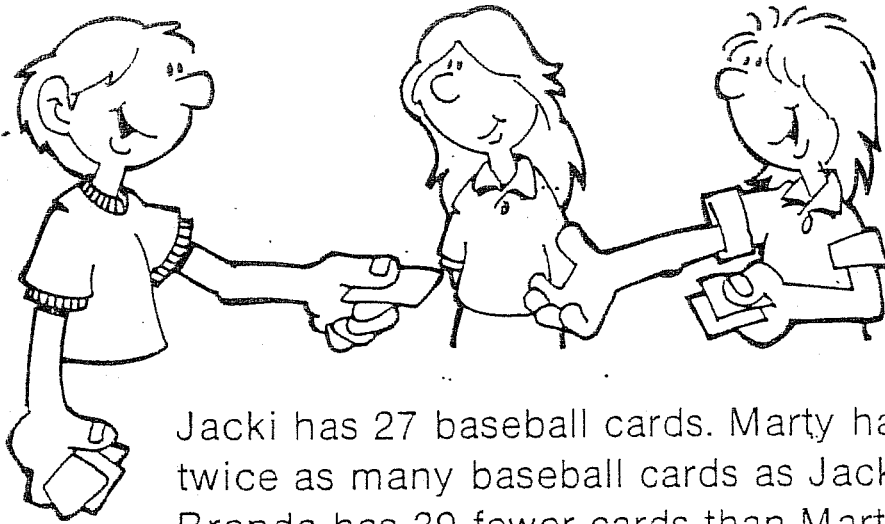
3. One half is a third of it. What is it?

Answer

11. Find the number halfway between $\frac{2}{7}$ and $\frac{5}{7}$.

Answer

4.

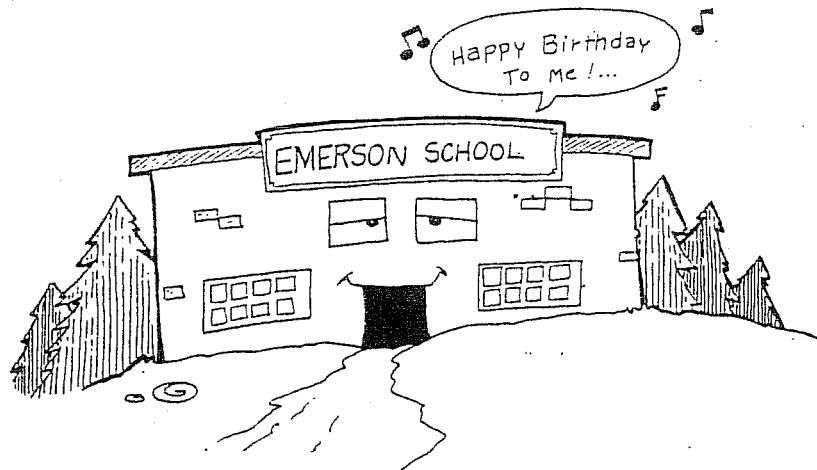


Jacki has 27 baseball cards. Marty has twice as many baseball cards as Jacki. Brenda has 39 fewer cards than Marty. How many cards do they have altogether?

Answer

12.

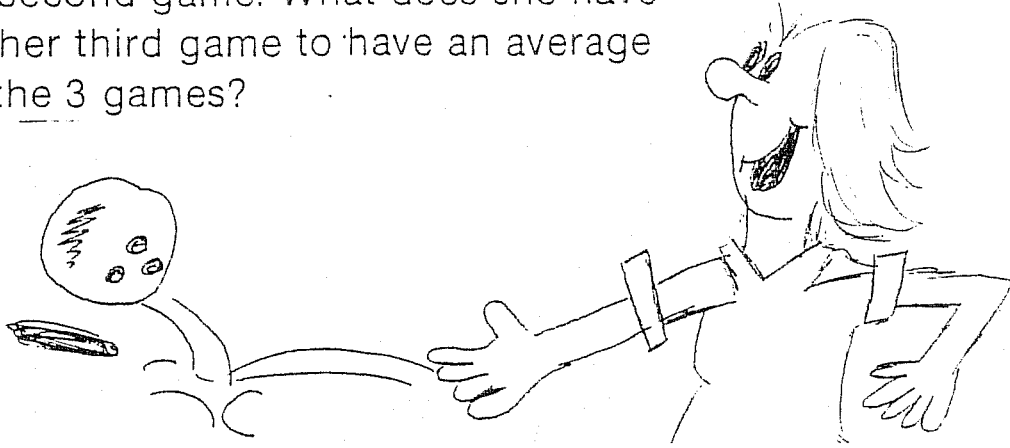
In 1983, the Emerson School was 8 years old. In what year will the school be 50 years old?



Answer

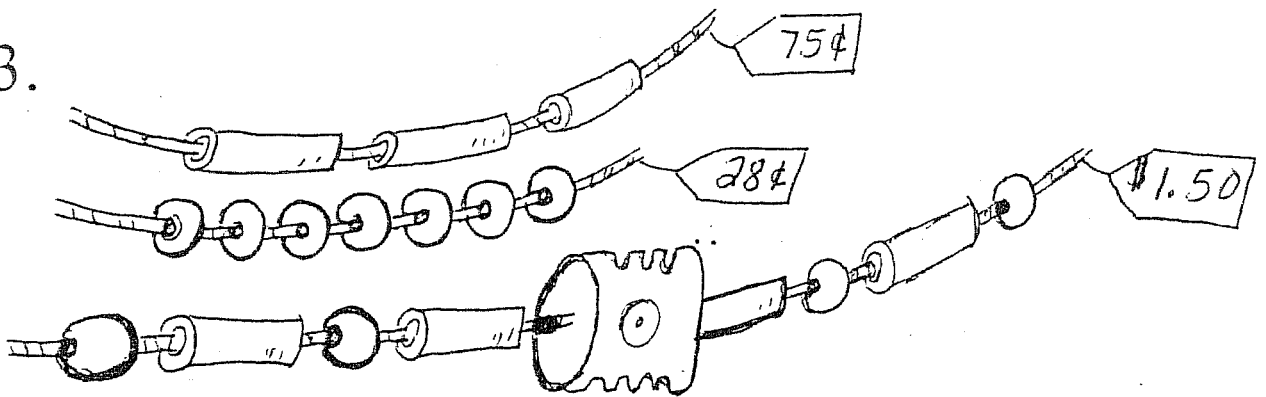
5.

Joella bowled 185 in her first game and 210 in her second game. What does she have to bowl in her third game to have an average of 200 for the 3 games?

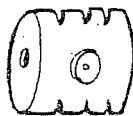


Answer

13.



What is the cost of a



?

Answer

14. Examine this pattern:

I L O V E M A T H I L O V E M A T ...

If the pattern is continued, which letter will be in the 985th box?

Answer

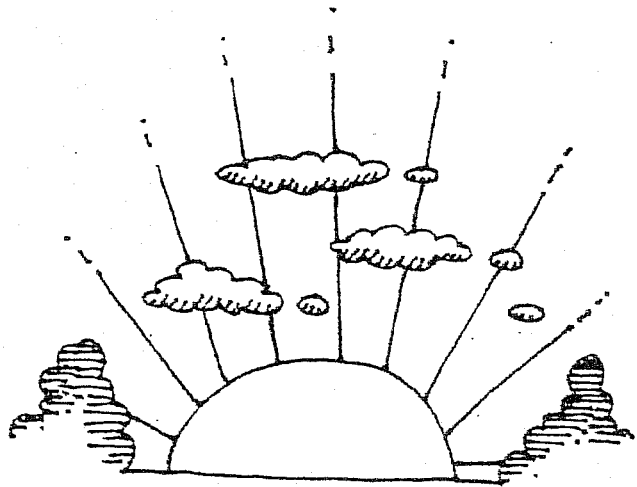
6. At 10 P.M., the temperature was -4°C . Between 10 P.M. and midnight, the temperature dropped 5° . Between midnight and 11 A.M., the temperature rose 7° . What was the temperature at 11 A.M.?



Answer

7.

How long is the night when the sun sets at 6:36 P.M. and rises at 7:18 A.M.?



Answer

15.



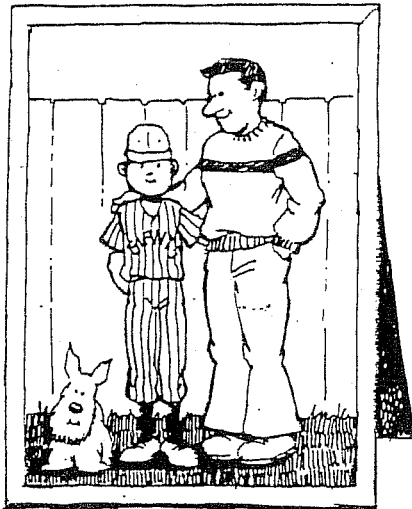
How can a two-dollar bill be changed into the same number of nickels, dimes, and quarters?

Answer

8. How long does it take to saw a log into 5 pieces if it takes 3 minutes to saw the log into 4 pieces?

Answer

16.



When my father was 32, I was 9.
Now he is twice as old as I am.
How old am I?

Answer

CIPHERING ANSWERS

1. 5
2. 156
3. $3/2$ or 1.5
4. 96
5. 205
6. -2
7. 12 hours 42 minutes
8. 4 minutes
9. $33/28$ or $1 \frac{5}{28}$
10. 525,600
11. $1/2$ or .5
12. 2025
13. 34 cents
14. V
15. 5 nickels, 5 dimes, 5 quarters
16. 23

INDIVIDUAL TEST ANSWERS

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