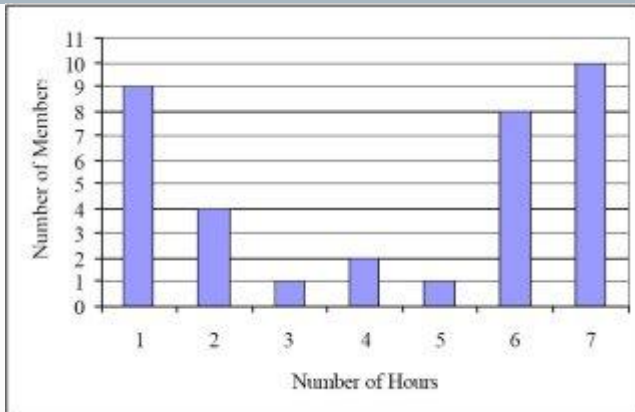1

Yesterday each of the 35 members of a certain task force spent some time working on project P. The graph shows the number of hours and the number of members who spent that number of hours working on project P yesterday. What was the median number of hours that the members of the task force spent working on project P yesterday?
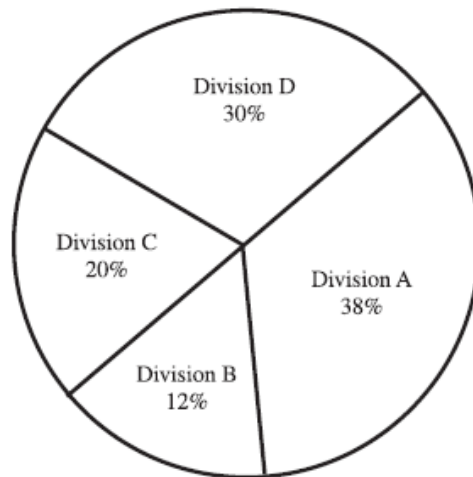
A. 2
B. 3
C. 4
D. 5
E. 6

2

Number of accidents	0	1	2	3	4	5	6
Number of drivers		17	13	21	4	2	2	1

The table shows the results of a poll which asked drivers how many accidents they had had over the previous 5 years. What is the median number of accidents per driver?
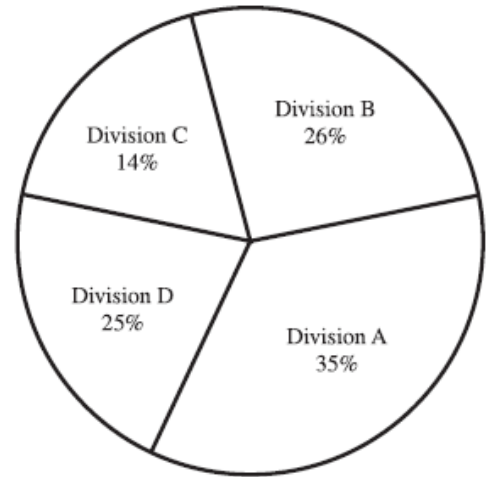
A. 0.5
B. 1
C. 1.5
D. 2
E. 4

3

INCOME AND EXPENSES–DIVISIONS A, B, C, AND D OF XYZ COMPANY (YEAR X)

Division D 30%
Division C 20%
Division A 38%
Division B 12%

INCOME
(Total Income = $1,560,000)

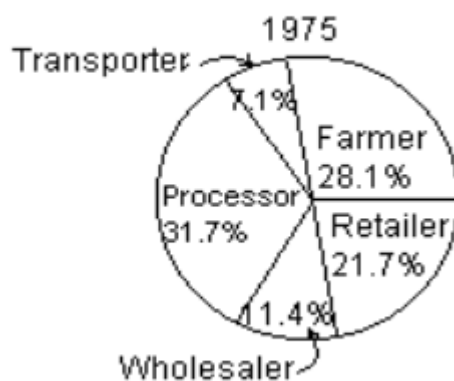Division C 14%
Division B 26%
Division D 25%
Division A 35%
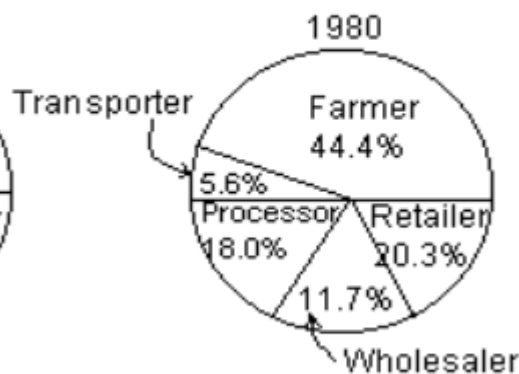
EXPENSES
(Total Expenses = $495,000)

With respect to the division whose percent of total income exceeded its percent of total expenses by the greatest amount among the four divisions, by approximately what amount did the division's income exceed its own expenses ?

A. $ 69,000
B. $ 90,000
C. $ 150,000
D. $ 185,000
E. $ 240,000

4

BREAKDOWN OF COST TO CONSUMER FOR THE PRODUCTION OF 6 OUNCES OF FROZEN ORANGE JUICE

1975
Transporter 7.1%
Farmer 28.1%
Processor 31.7%
Retailer 21.7%
Wholesaler 11.4%

Cost to Consumer:$0.30

1980
Transporter
Farmer 44.4%
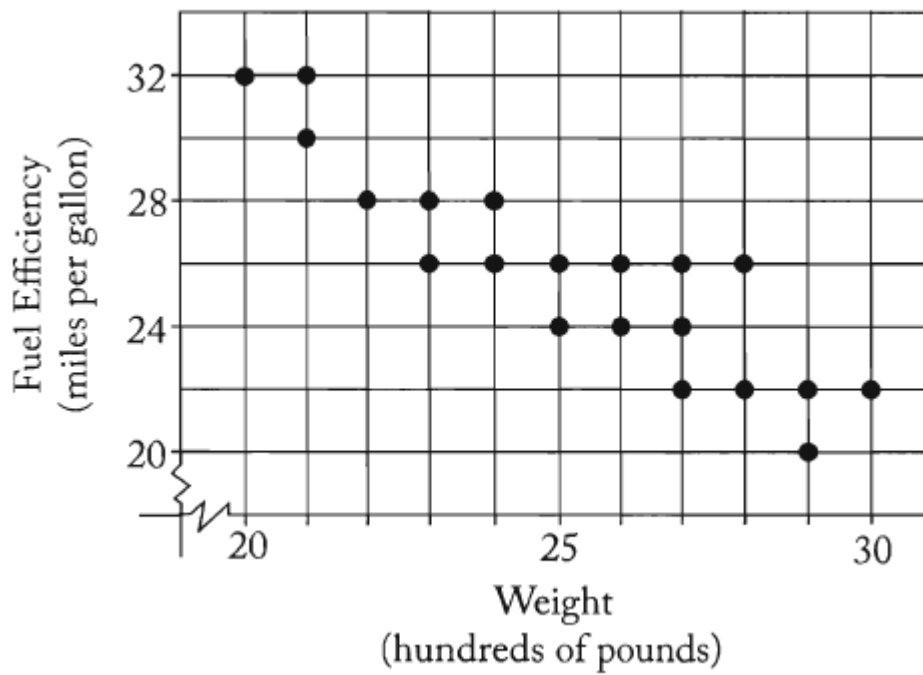5.6%
Processor 18.0%
Retailer 20.3%
Wholesaler 11.7%

Cost to Consumer:$0.70

In 1980, approximately what fraction of the cost to the consumer for the production of 6 ounces of frozen orange juice went to the farmer?
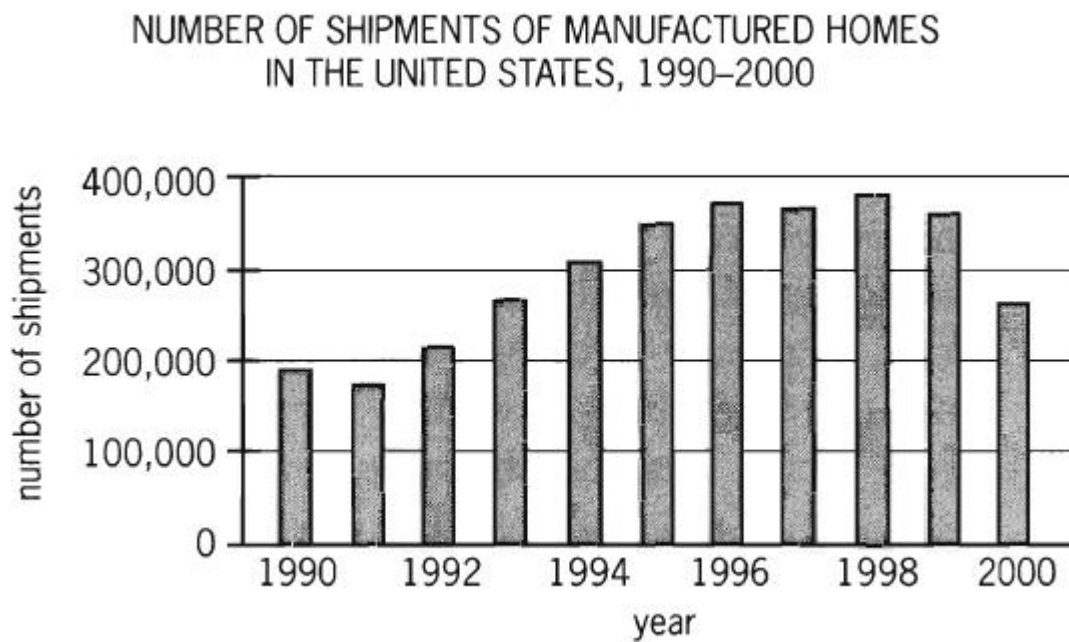
(A) 3/11
(B) 1/3
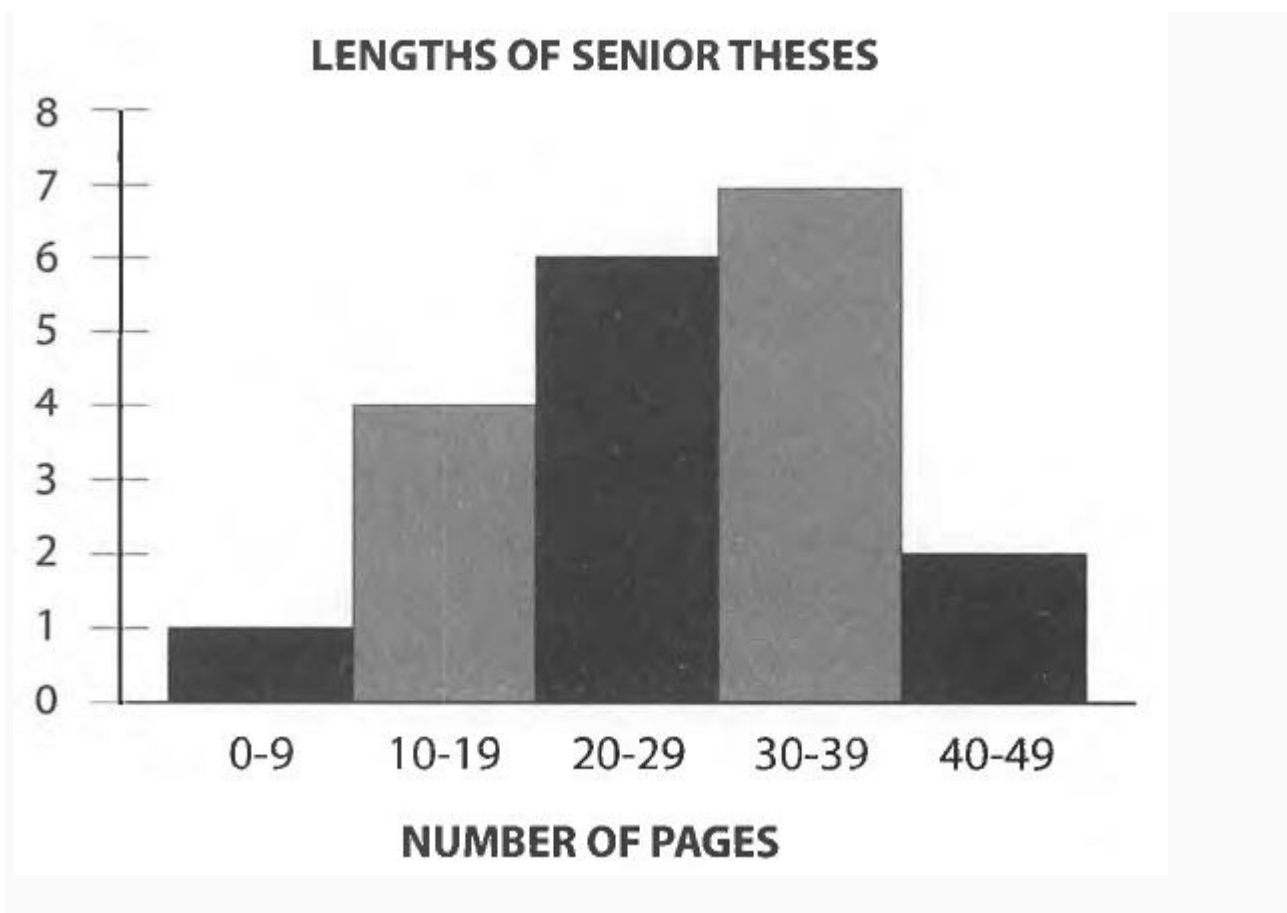(C) 4/9
(D) 5/9
(E) 3/5

5

The dots on the graph above indicate the weights and fuel efficiency ratings for 20 cars. How many of the cars weigh more than 2,500 pounds and also get more than 22 miles per gallon?

(A) 3
(B) 5
(C) 8
(D) 10
(E) 11

NUMBER OF SHIPMENTS OF MANUFACTURED HOMES
IN THE UNITED STATES, 1990–2000

number of shipments

400,000

300,000

200,000

100,000

0

1990   1992   1994   1996   1998   2000

year

According to the chart shown, which of the following is closest to the median annual number of shipments of manufactured homes in the United States for the years from 1990 to 2000, inclusive?

(A) 250,000
(B) 280,000
(C) 310,000
(D) 325,000
(E) 340,000

LENGTHS OF SENIOR THESES

NUMBER OF PAGES

Each senior in a college course wrote a thesis. The lengths, in pages, of those seniors' theses are summarized in the graph above.

a. What is the *least* possible number of seniors whose theses were within six pages of the median length ?

b. What is the *greatest* possible number of seniors whose theses were within six pages of the median length ?