Evolve Math Skills for Health Professionals 2nd edition Hickey Test Bank

SKU: 9780323322485-TEST-BANK

MULTIPLE CHOICE

1. Roman numerals are _____ used as symbols by the ancient Romans to represent numbers.
   a. pictures
   b. letters
   c. numbers
   d. combination of letters and numbers

   ANS: B REF: 30

2. Military time is based on:
   a. a 12-hour clock.
   b. a 24-hour clock.
   c. the International Date Line.
   d. the Eastern time zone.

   ANS: B REF: 33

3. Documentation in military time does all of the following *except:*
   a. decrease confusion on when to perform an order.
   b. eliminate the need to write a.m. or p.m.
   c. use four digits without the use of the colons.
   d. convert a traditional 24-hour clock into a 12-hour clock.

   ANS: D REF: 33

4. Round the following number to the closest whole number: 475.89
   a. 475.8
   b. 475.9
   c. 475
   d. 476

   ANS: D REF: 37

5. Round the following number to the closest whole number: 36.021
   a. 36
   b. 37
   c. 36.02
   d. 36.1

   ANS: A REF: 37

6. Convert the following Arabic numeral into a Roman numeral: 5
   a. IIIII
   b. IV
   c. V
   d. VI

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ANS: C REF: 30

7. Convert the following Roman numeral into an Arabic numeral: IX
   a. 10
   b. 9
   c. 11
   d. 19

   ANS: B REF: 30

8. In military time 1:00 AM is written as:
   a. 0001.
   b. 1300.
   c. 1100.
   d. 0100.

   ANS: D REF: 33

9. In military time 3:00 PM is written as:
   a. 0300.
   b. 1300.
   c. 1500.
   d. 0500.

   ANS: C REF: 34

10. Convert the following time from military to 24-hour time: 0825
    a. 6:25 AM
    b. 8:25 AM
    c. 8:25 PM
    d. 6:25 PM

    ANS: B REF: 34

11. A bar graph can be defined as a:
    a. graph that indicates the proportion or percentage in relation to the whole.
    b. graph that compares measurements by using vertical or horizontal bars.
    c. graph that compares measurements by using lines to plot specific points.
    d. graph used to record vital signs.

    ANS: B REF: 45

12. The patient's surgery started at 0810 and lasted 3 and ½ hours. They spend another 1½ hours in recovery. What time was the patient discharged to home?
    a. 1:10 AM
    b. 2:10 PM
    c. 1300
    d. 1140

    ANS: B REF: 34

13. A pie or circle graph can be defined as a:

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a. graph that indicates the proportion or percentage in relation to the whole.
b. graph that compares measurements by using vertical or horizontal bars.
c. graph that compares measurements by using lines to plot specific points.
d. graph used to record vital signs.

ANS: A REF: 44

14. What computer program would a person use to create a chart?
a. Microsoft Word
b. Excel
c. PowerPoint
d. Access

ANS: B REF: 41

15. Graphs use:
a. horizontal axis only.
b. vertical axis only.
c. horizontal and vertical axis.
d. three-dimensional plane.

ANS: C REF: 39

16. The best way to compare two or more data sets in a graph is to:
a. make each data set on its own graph.
b. place data sets next to each other.
c. make each data set its own color.
d. use different styles of charts for each data set.

ANS: C REF: 40

MULTIPLE RESPONSE

1. Which terms are used to describe how tall a patient is? Select all that apply.
a. Feet and inches
b. Meters and centimeters
c. Height
d. Grams and milligrams

ANS: A, B, C REF: 47

2. In business, graphs could be used to track all of the following. Select all that apply.
a. Budgets
b. Inventory use
c. Cash flow
d. Employees' duties

ANS: A, B, C REF: 39

3. Which of the following data could be compared using a graph? Select all that apply.
a. Admissions
b. Profit/loss margin

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c. Patient satisfaction surveys
d. Types of outpatient surgeries
e. How often the patient asked for medication

ANS: A, B, C, D REF: 39

COMPLETION

1. Transpose each Roman numeral into Arabic format

   XV _____

   ANS: 15

   REF: 30

2. Transpose each Roman numeral into Arabic format.

   XIV _____

   ANS: 14

   REF: 30

3. Transpose each Roman numeral into Arabic format.

   XXII _____

   ANS: 22

   REF: 30

4. Transpose each Roman numeral into Arabic format.

   VIII _____

   ANS: 8

   REF: 30

5. Transpose each Roman numeral into Arabic format.

   IV _____

   ANS: 4

   REF: 30

6. Transpose each Roman numeral into Arabic format.

   XLI _____

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ANS: 41

REF: 30

7. Transpose each Roman numeral into Arabic format.

   LIX _____

   ANS: 59

   REF: 30

8. Transpose each Roman numeral into Arabic format.

   CCC _____

   ANS: 300

   REF: 30

9. Transpose each Roman numeral into Arabic format.

   CD _____

   ANS: 400

   REF: 30

10. Transpose each Roman numeral into Arabic format.

    MMM _____

    ANS: 3000

    REF: 30

11. Transpose each Arabic numeral into Roman format.

    10 _____

    ANS: X

    REF: 30

12. Transpose each Arabic numeral into Roman format.

    15 _____

    ANS: XV

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REF: 30

13. Transpose each Arabic numeral into Roman format.

30 _____

ANS: XXX

REF: 30

14. Transpose each Arabic numeral into Roman format.

49 _____

ANS: IL

REF: 30

15. Transpose each Arabic numeral into Roman format.

60 _____

ANS: LX

REF: 30

16. Transpose each Arabic numeral into Roman format.

64 _____

ANS: LXIV

REF: 30

17. Transpose each Arabic numeral into Roman format.

14 _____

ANS: XIV

REF: 30

18. Transpose each Arabic numeral into Roman format.

1903 _____

ANS: MCMIII

REF: 30

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19. Transpose each Arabic numeral into Roman format.

2000 _____

ANS: MM

REF: 30

20. Transpose each Arabic numeral into Roman format.

44 _____

ANS: XLIV

REF: 30

21. Convert the following 12-hour times into military or 24-hour format.

2:45 PM _____

ANS: 1445

REF: 34

22. Convert the following 12-hour times into military or 24-hour format.

12:05 AM _____

ANS: 0005

REF: 34

23. Convert the following 12-hour times into military or 24-hour format.

12:00 noon _____

ANS: 1200

REF: 34

24. Convert the following 12-hour times into military or 24-hour format.

2:15 PM _____

ANS: 1415

REF: 34

25. Convert the following 12-hour times into military or 24-hour format.

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11:00 AM _____

ANS: 1100

REF: 34

26. Convert the following 12-hour times into military or 24-hour format.

10:45 PM _____

ANS: 2245

REF: 34

27. Convert the following 12-hour times into military or 24-hour format.

12:03 PM _____

ANS: 1203

REF: 34

28. Convert the following 12-hour times into military or 24-hour format.

9:00 AM _____

ANS: 0900

REF: 34

29. Convert the following 12-hour times into military or 24-hour format.

9:00 PM _____

ANS: 2100

REF: 34

30. Convert the following 12-hour times into military or 24-hour format.

11:59 PM _____

ANS: 2359

REF: 34

31. Convert the following military or 24-hour times into 12-hour format. (Include "AM" or "PM" in your answer.)

1130 _____

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ANS: 11:30 AM

REF: 34

32. Convert the following military or 24-hour times into 12-hour format. (Include “AM” or “PM” in your answer.)

1425 _____

ANS: 2:25 PM

REF: 34

33. Convert the following military or 24-hour times into 12-hour format. (Include “AM” or “PM” in your answer.)

0705 _____

ANS: 7:05 AM

REF: 34

34. Convert the following military or 24-hour times into 12-hour format. (Include “AM” or “PM” in your answer.)

1020 _____

ANS: 10:20 AM

REF: 34

35. Convert the following military or 24-hour times into 12-hour format. (Include “AM” or “PM” in your answer.)

0006 _____

ANS: 12:06 AM

REF: 34

36. Convert the following military or 24-hour times into 12-hour format. (Include “AM” or “PM” in your answer.)

1615 _____

ANS: 4:15 PM

REF: 34

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37. Convert the following military or 24-hour times into 12-hour format. (Include “AM” or “PM” in your answer.)

    0830 _____

    ANS: 8:30 AM

    REF: 34

38. Convert the following military or 24-hour times into 12-hour format. (Include "AM" or "PM" in your answer.)

    0330 _____

    ANS: 3:30 AM

    REF: 34

39. Convert the following military or 24-hour times into 12-hour format. (Include “AM” or “PM” in your answer.)

    2244 _____

    ANS: 10:44 PM

    REF: 34

40. Convert the following military or 24-hour times into 12-hour format. (Include “AM” or “PM” in your answer.)

    1515 _____

    ANS: 3:15 PM

    REF: 34

SHORT ANSWER

1. Round 0.3451 to the hundredths place value.

   ANS:
   0.35

   REF: 37

2. Round 0.3451 to the tenth place value.

   ANS:
   0.3

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REF: 37

3. Round 0.3451 to the nearest whole number.

ANS:
0

REF: 37

4. Round 1.2764 to the hundredth place value.

ANS:
1.28

REF: 37

5. Round 1.2764 to the nearest thousandth place value.

ANS:
1.276

REF: 37

6. Round 1.2764 to the nearest tenth place value.

ANS:
1.3

REF: 37

7. Round 0.7887 to the nearest hundredth place value.

ANS:
0.79

REF: 37

8. Round 0.7887 to the nearest thousandth place value.

ANS:
0.789

REF: 37

9. Round 0.7887 to the nearest whole number.

ANS:

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1

REF: 37

10. Round 19.7314 to the nearest thousandth place value.

ANS:
19.731

REF: 37

11. Round 19.7314 to the nearest tenth place value.

ANS:
19.7

REF: 37

12. Round 19.2314 to the nearest whole number.

ANS:
20
REF

REF: 37

13. Place the following series of numbers in numeric order from least to greatest.

0.065, 0.6892, 0.3752, 0.888, 0.051

ANS:
0.051, 0.065, 0.3752, 0.6892, 0.888

REF: 37

14. Place the following series of numbers in numeric order from least to greatest.

2.376, 2.380, 1.643, 0.9765, 1.523

ANS:
0.9765, 1.523, 1.643, 2.376, and 2.380

REF: 37

15. Place the following series of numbers in numeric order from least to greatest.

3.476, 3.4765, 3.48712, 4.7658, 1.35976, 0.0002325

ANS:

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0.0002325, 1.35976, 3.476, 3.4765, 3.48712, and 4.7658

REF: 37

16. Place the following series of numbers in numeric order from greatest to least.

2.5478, 2.4785, 2.8754, 2.75486

ANS:
2.8754, 2.75486, 2.5478, 2.4785

REF: 37

17. Place the following series of numbers in numeric order from greatest to least.

3.476, 3.4765, 3.48712, 4.7658, 4.35976

ANS:
4.7658, 4.35976, 3.48712, 3.4765, 3.476

REF: 37

18. Place the following series of numbers in numeric order from least to greatest.

2.376, 2.380, 1.643, 0.9765, 1.523

ANS:
0.9765, 1.523, 1.643, 2.376, and 2.380

REF: 37

19. Place the following series of numbers in numeric order from greatest to least.

0.065, 0.6892, 0.3752, 0.888, 0.051

ANS:
0.888, 0.6892, 0.3752, 0.065, and 0.051

REF: 37

20. Answer the following question. (Include "AM" or "PM" in your answer as needed.)
You are scheduled to work from 1400-2230. What time in 12-hour format do you start work?

ANS:
2:00 PM

REF: 34

21. Answer the following question. (Include "AM" or "PM" in your answer as needed.)
You are scheduled to work from 1400-2230. What time in 12-hour format will you complete your shift?

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ANS:
11:30 PM

REF: 34

22. Answer the following question. (Include "AM" or "PM" in your answer as needed.)
The physician orders an antibiotic for 5:00 PM. Your medication sheet is in military time. What time does it indicate you should give the medication?

ANS:
1700

REF: 34

23. Answer the following question. (Include "AM" or "PM" in your answer as needed.)
You are to work a 10-hour shift. Your shift ends at 0200. What time will you report to work?

ANS:
1600

REF: 34

24. Round 3,865,987 to the nearest million.

ANS:
4, 4,000,000, 4 million

REF: 37

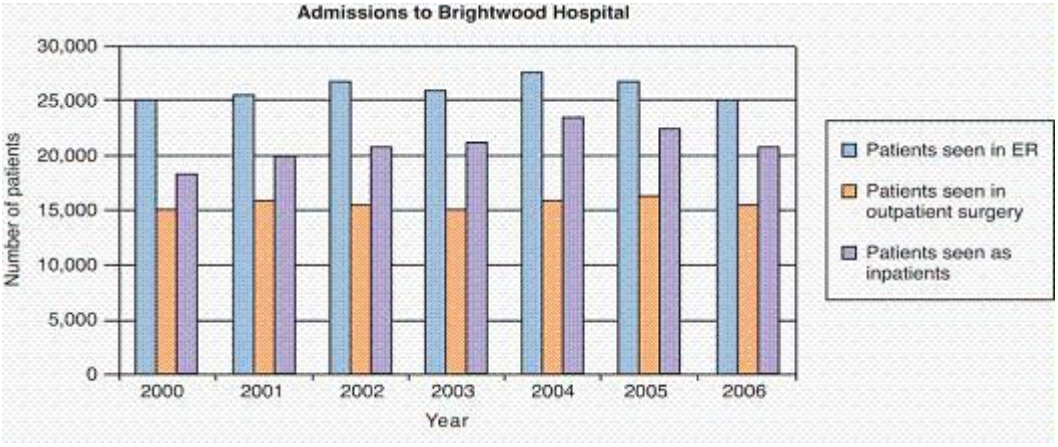
25. By car, you can travel approximately 60 miles every hour. Approximately how long will it take to travel 380 miles?

ANS:
6 hours
Six hours

REF: 34

26. According to the chart below, in which year were the most patients seen in the ER?

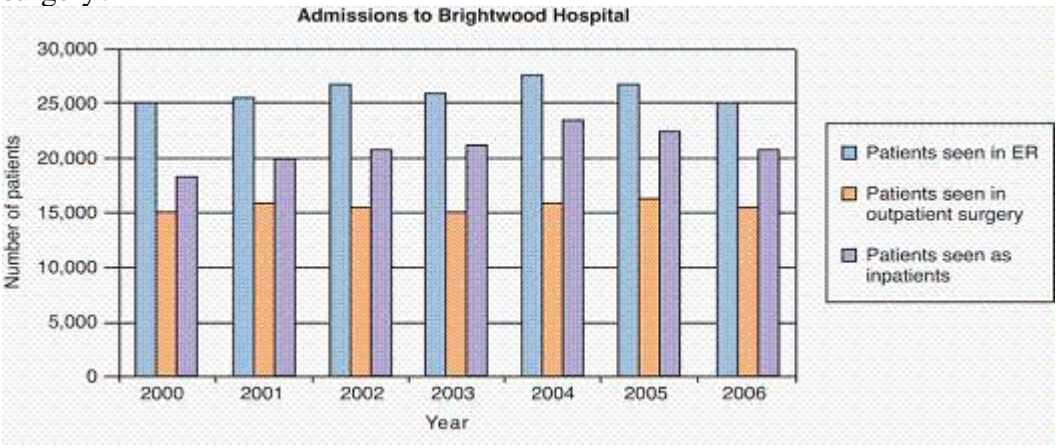
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ANS:
2004

REF: 45

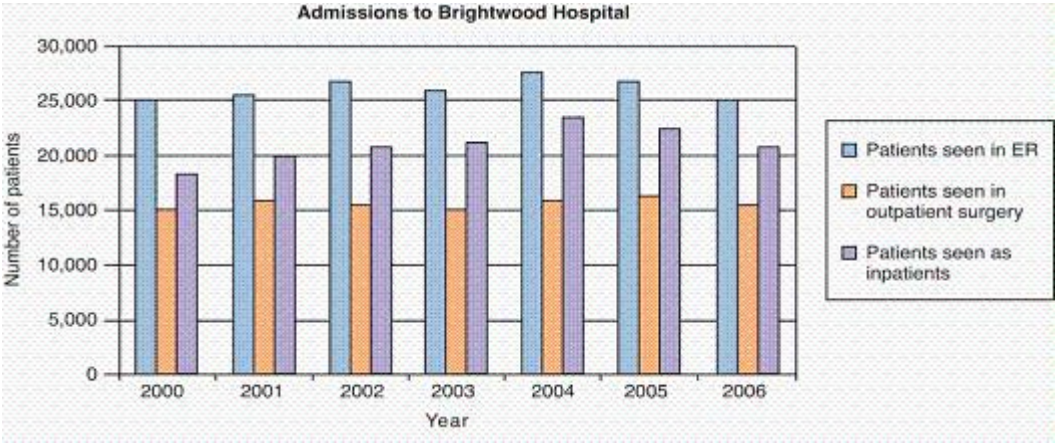
27. According to the chart below, in which year were the fewest patients seen in outpatient surgery?



ANS:
2000

REF: 45

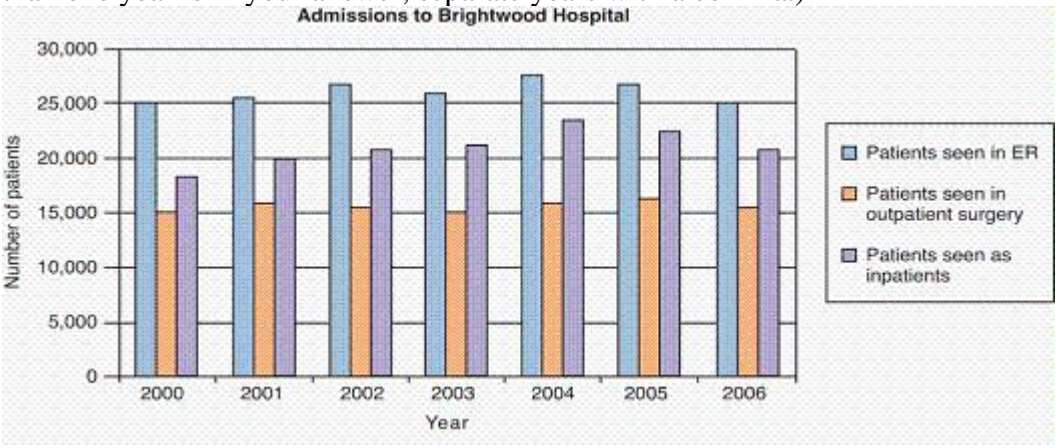
28. According to the chart below, what is the total number of patients seen as inpatients in the year 2001?



ANS:
20000

REF: 45

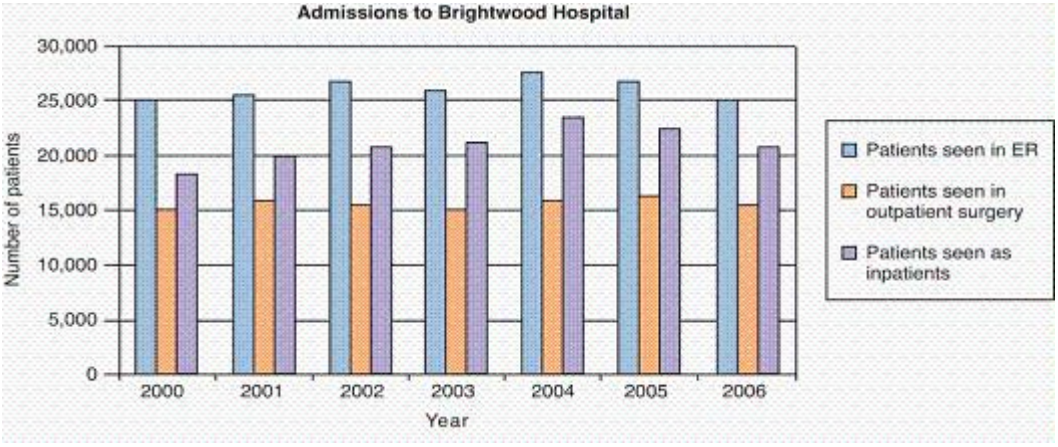
29. According to the chart below, in which year(s) did the ER see the fewest patients? (If more than one year is in your answer, separate years with a comma.)



ANS:
2000, 2006
2006, 2000

REF: 45

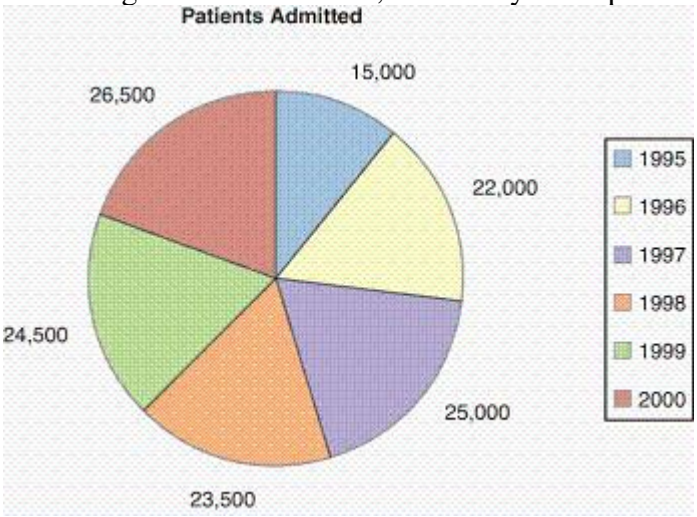
30. According to the chart below, in the year 2000, how many more patients were seen in the ER than as inpatients?



ANS:
7000

REF: 45

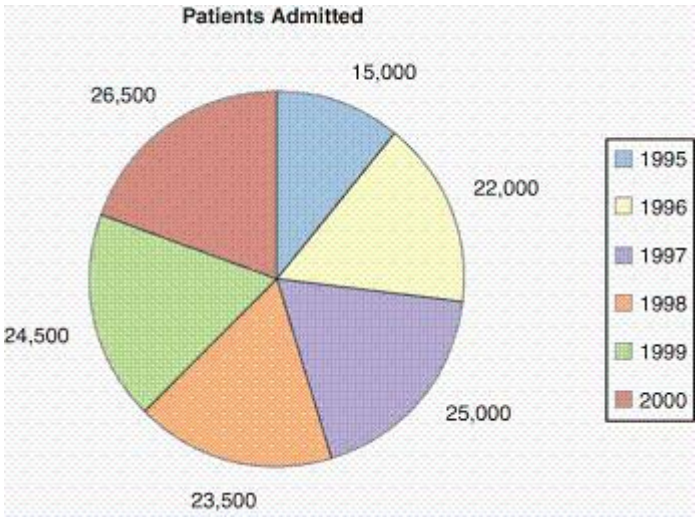
31. According to the chart below, how many more patients were admitted in 1999 than in 1996?



ANS:
2500

REF: 44

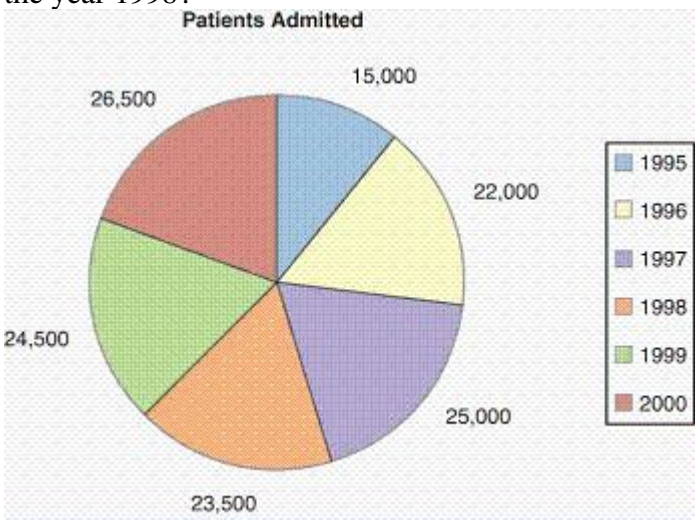
32. According to the chart below, what is the total number of patients seen from 1995 through 1997?



ANS:
62000

REF: 44

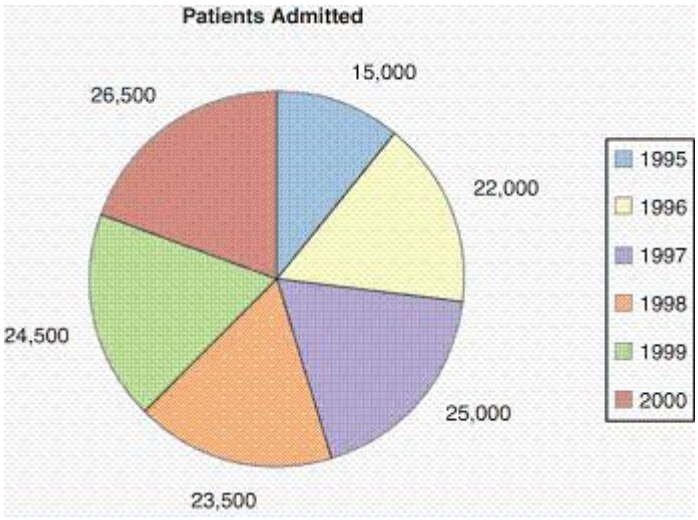
33. According to the chart below, how many more patients were admitted in the year 2000 than in the year 1998?



ANS:
3000

REF: 44

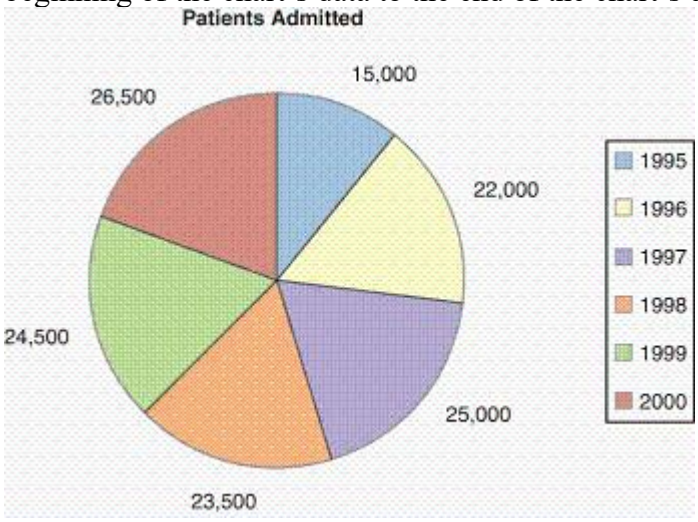
34. According to the chart below, which year had the highest admission rate?



ANS:
2000

REF: 44

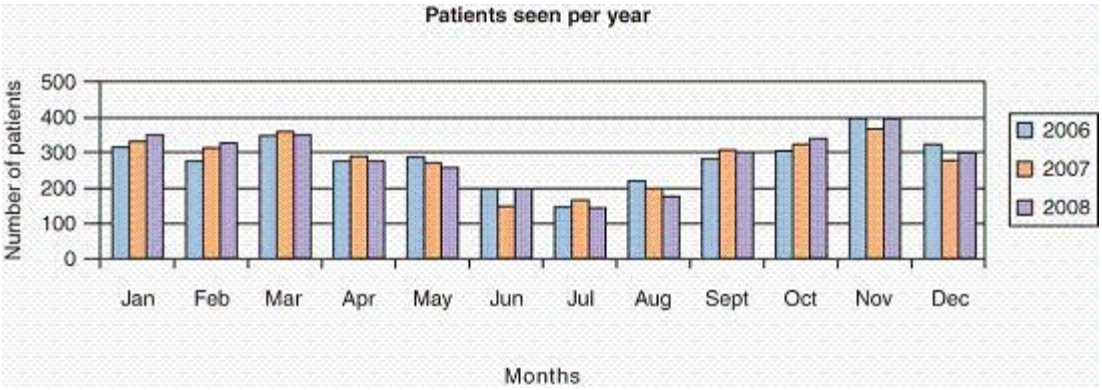
35. According to the chart below, what is the difference in the number of patients seen from the beginning of the chart's data to the end of the chart's data?



ANS:
11500

REF: 44

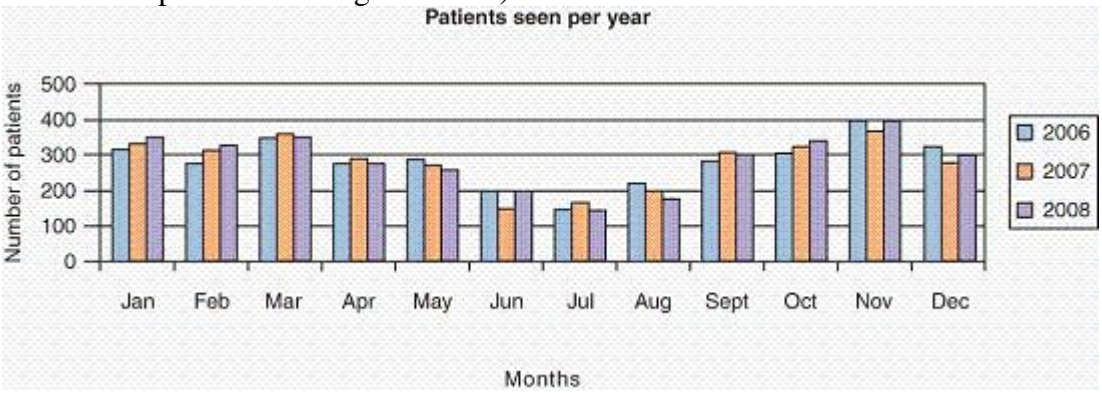
36. What type of graph is the following chart?



ANS:
Bar, Bar graph

REF: 45

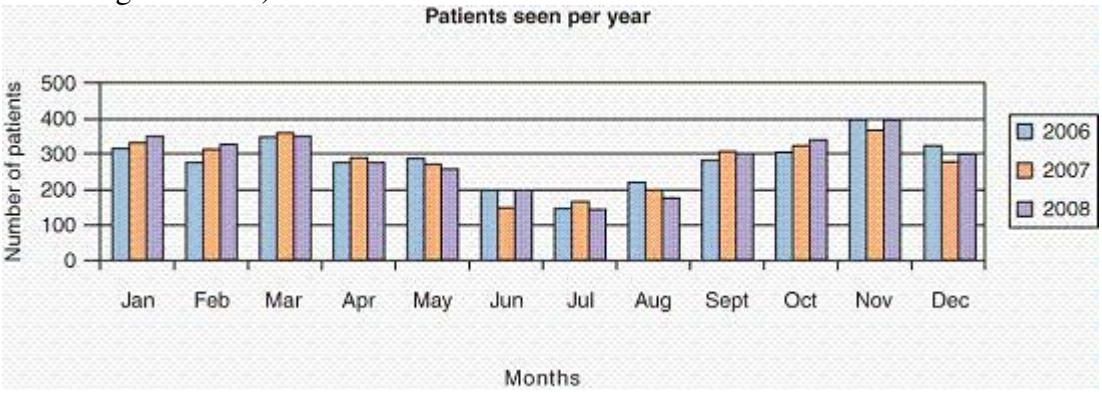
37. According to the chart below, in what month(s) were the same number of patients seen in the years 2006 and 2008? (If more than one month is in your answer, separate months with a comma and put in chronological order.)



ANS:
March, April, June, July, November

REF: 45

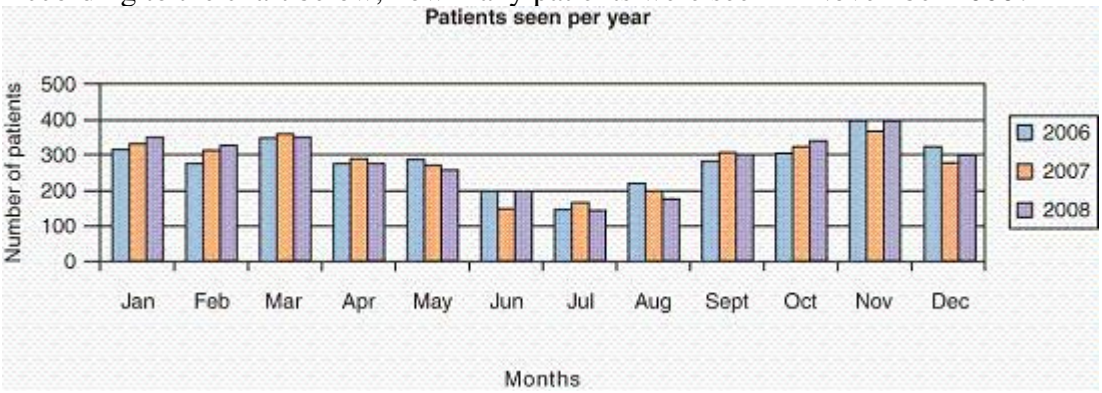
38. According to the chart below, in 2007, which month(s) saw the greatest number of patients? (If more than one month is in your answer, separate months with a comma and put in chronological order.)



ANS:
November

REF: 45

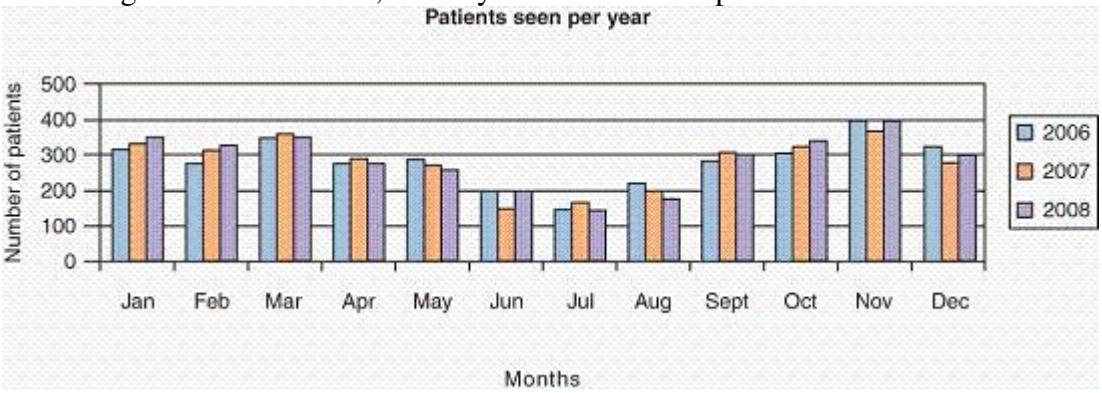
39. According to the chart below, how many patients were seen in November 2006?



ANS:
400

REF: 45

40. According to the chart below, which year saw the most patients in March?



ANS:
2007

REF: 45