1 What is 83,814 − 44,036?

A 39,778

B 39,988

C 41,822

D 79,378

2 Megan made a bead and shell necklace. She used 7 shells. She used 6 times as many beads as shells. Which number sentence represents the number of beads that Megan used?
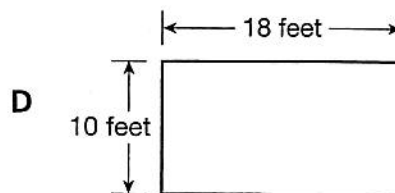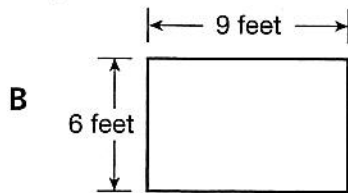
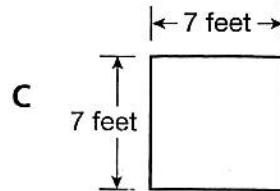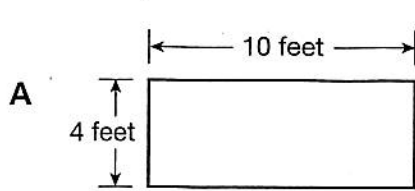A $7 + 6 = 13$

B $7 - 6 = 1$

C $7 \div 6 = \frac{7}{6}$

D $7 \times 6 = 42$

3 Which fraction is equivalent to the shaded part of the fraction model below?

A $\frac{8}{8}$ mile

B $\frac{2}{3}$ mile

C $\frac{4}{12}$ mile

D $\frac{2}{4}$ mile

4 Mr. Kelly wants to buy a rug that has a perimeter of 28 feet and the greatest area available. Which rug should he buy?

A
|←——— 10 feet ———→|
4 feet

C
|← 7 feet →|
7 feet

B
|←— 9 feet —→|
6 feet

D
|←——— 18 feet ———→|
10 feet

5 Two fourth-grade classes are taking a field trip to the zoo together. There are 31 students in one class and 27 in the other. Each van holds 9 students. How many vans are needed to take all the students to the zoo?

A 5

B 6

C 7

D 8

6 Which number sentence is true?

A $\frac{2}{3} > \frac{4}{5}$

B $\frac{3}{6} < \frac{6}{12}$

C $\frac{4}{10} > \frac{2}{5}$

D $\frac{3}{4} > \frac{6}{12}$

Go On

7 What is $3 \times \frac{4}{5}$?

A $\frac{4}{15}$

B $\frac{12}{15}$

C $\frac{7}{5}$

D $\frac{12}{5}$

8 What is 24,177 in word form?

A   twenty-four thousand, one hundred seventy-seven

B   twenty-four thousand, seventeen hundred seven

C   twenty thousand, four thousand one hundred seventy-seven

D   twenty thousand, four hundred seventeen seven

9 A farmer at a local market is selling 8 bags of apples. If there are 7 times as many apples as bags, how many apples are there?

A   64

B   56

C   49

D   15

10 What is 95×83?

A   1,045

B   1,162

C   7,215

D   7,885

11 Which of the following is **not** true?

   A $\frac{4}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

   B $\frac{4}{5} = \frac{1}{5} + \frac{3}{5}$

   C $\frac{4}{5} = \frac{2}{5} + \frac{2}{5}$

   D $\frac{4}{5} = \frac{1}{5} + \frac{4}{5}$

12 How many degrees does the minute hand of a clock turn from 6:00 to 6:30?

   A 180°

   **B** 90°

   C 45°

   D 30°

13 Sophia writes an equation about her gym class, as shown below.

$$18 = 3 \times 6$$

Which situation could Sophia be describing?

   A The class has 3 baseball bats. The class has 6 more students than bats.

   B The class has 6 baseball bats. The students are arranged in 3 groups.

   C The class has 6 baseball bats. There are 3 less students than bats.

   D The class is using 3 baseball bats. There are 6 times as many students as bats.

Go On

14   A laboratory technician found 73,239 different types of bacteria in her lab.
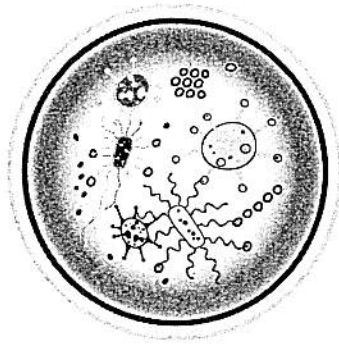
What is 73,239 rounded to the nearest thousand?

A   70,000

B   72,000

C   73,000

D   73,200

15   Which multiplication expression can be used to check the answer of 6,470 ÷ 6?

A $1,078 \times 6$

B $(1,078 \times 6) + 2$

C $1,782 \times 6$

D $(1,783 \times 6) + 2$

16   Mr. Franklin is cooking dinner for 7 people. He needs $\frac{3}{10}$ pound of chicken for each person. How much chicken should Mr. Franklin buy?

A $\frac{21}{10}$ pounds

B $\frac{10}{10}$ pound

C $\frac{21}{70}$ pound

D $\frac{3}{70}$ pound

17 Shanice made a line plot of the distances between her house and the houses of her friends.

**DISTANCES FROM SHANICE'S
HOUSE TO HER FRIENDS' HOUSES**

Distance (in miles)
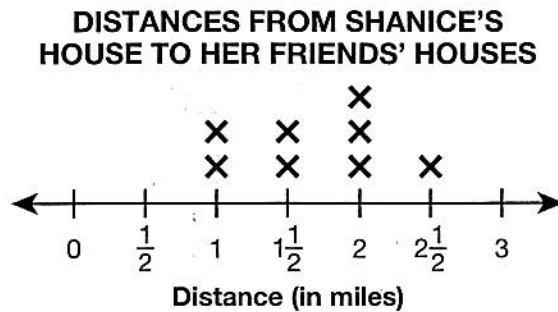
What is the difference of the longest distance and the shortest distance?

A $\frac{1}{2}$ mile

B   1 mile

C $1\frac{1}{2}$ miles

D   2 miles

18 A number has a 6 in the ten thousands place. The number also has a digit whose value is 10 times the value of the 6 in the ten thousands place. Which could be the number?

A   766,510

B   663,024

C   436,691

D   362,657

19 Max rode his bike 6 times as far on Saturday as on Friday. If he rode his bike 30 miles on Saturday, how far did he ride on Friday?

A   36 miles

B   24 miles

C   6 miles

D   5 miles

Go On

20 Which fraction is equivalent to $\frac{3}{7}$?

A $\frac{6}{14}$

B $\frac{1}{2}$

C $\frac{6}{10}$

D $\frac{6}{7}$

21 Which of the following is **not** a composite number?
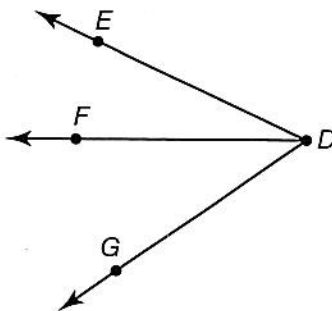
A 30

B 31

C 32

D 33

22 In the figure below, the measure of $\angle EDF$ is 25°. The measure of $\angle EDG$ is 60°.

What is the measure of $\angle FDG$?

A 35°

B 45°

C 50°

D 85°

23 Antonia's school had a pizza party on the last day of school. Afterward, there were $1\frac{3}{12}$ pepperoni pizzas and $2\frac{4}{12}$ cheese pizzas left. How much pizza was left over?

A $3\frac{7}{12}$ pizzas

B $3\frac{7}{24}$ pizzas

C $\frac{37}{12}$ pizzas

D $1\frac{1}{12}$ pizzas

24 Franco scored 230,618 points on a video game. What is the expanded form of Franco's score?

A 200,000 + 30,000 + 6,000 + 100 + 8

B 200,000 + 30,000 + 6,000 + 10 + 8

C 200,000 + 30,000 + 600 + 10 + 8

D 200,000 + 3,000 + 600 + 10 + 8

PRACTICE TEST 2

STOP

25 Which of the following number sentences is **not** true?

A $\frac{12}{8} = \frac{11}{8} + \frac{1}{8}$

B $2\frac{1}{3} = 1 + \frac{3}{3} + \frac{1}{3}$

C $\frac{10}{6} = \frac{5}{6} + \frac{2}{6}$

D $\frac{11}{10} = 1 + \frac{1}{10}$

26 James read that 580,000 people visited a park last year. The number of visitors was rounded to the nearest ten thousand.

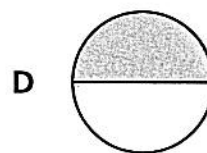What is the **least** number of people that may have visited the park last year?
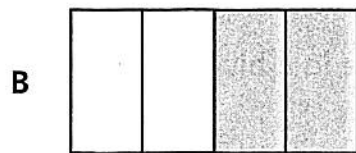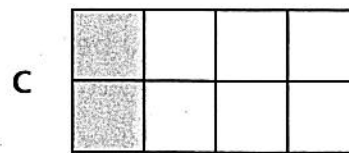
A 575,000

B 575,600

C 579,999

D 584,999

27 In which model does the shaded portion show a fraction equivalent to $\frac{1}{4}$?

A

C

B

D

28 The fourth graders at Emily's school have invited their parents to eat lunch with them. The table shows the number of people who will be at the lunch.

FOURTH-GRADE LUNCH

Group	Number of People
Students	63
Parents	98

Eight people can sit at each table for lunch. What is the **least** number of tables needed?

A 5

B 13

C 20

D 21

29 Nia is writing a report about honey bees. Some of the facts she found in her research are shown below.

Honey Bees

- Each hive has only 1 queen.
- To the nearest thousand, about 35,000 bees may be in a hive during the summer.
- A worker bee lives about 4 days.
- A queen can live up to 5 years.

What is the **greatest** number of bees that may be in a hive in the summer?

A 35,500

B 35,499

C 34,999

D 34,500

Book 2

30 Kaitlin is preparing folders for an upcoming meeting. Each folder weighs $\frac{1}{3}$ pound. If each client gets a folder and she expects 20 clients at the meeting, how much will the folders weigh in all?

A between 3 and 4 pounds

B between 4 and 5 pounds

C between 5 and 6 pounds

D between 6 and 7 pounds

31 Rodrigo makes a line plot to show how much time he spent on his math homework from Monday to Friday of this week.

RODRIGO'S MATH HOMEWORK

Time (in hours)
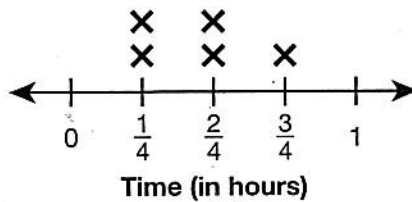
How much time did Rodrigo spend on his math homework this week?

A 5 hours

B $2\frac{1}{4}$ hours

C $1\frac{2}{4}$ hours

D $\frac{9}{12}$ hours

Go On

32 Demetrius is putting water in two same-sized beakers for a science experiment. He fills $\frac{3}{4}$ of one beaker with hot water and $\frac{7}{12}$ of the other beaker with cold water. Which sentence best explains how the amounts of hot and cold water compare?

A $\frac{7}{12} > \frac{3}{4}$ because the numerator and denominator of $\frac{7}{12}$ are greater than the numerator and denominator of $\frac{3}{4}$.

B $\frac{3}{4} > \frac{7}{12}$ because $\frac{3}{4}$ is equal to $\frac{9}{12}$, and $\frac{9}{12}$ is greater than $\frac{7}{12}$.

C $\frac{3}{4} < \frac{7}{12}$ because the numerator 3 is less than the numerator 7.

D $\frac{7}{12} > \frac{3}{4}$ because $\frac{3}{4}$ is equal to $\frac{6}{12}$, and $\frac{7}{12}$ is less than $\frac{6}{12}$.

33 There are 2,459 fiction books and 1,361 nonfiction books at the library. How many more fiction books than nonfiction books are there?

A 97

B 198

C 1,098

D 1,118

34 Which equation shows 7 times as many as 4?

A $28 = 7 \times 4$

B $11 = 4 + 7$

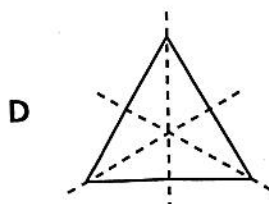C $\frac{7}{4} = 7 \div 4$

D $3 = 7 - 4$

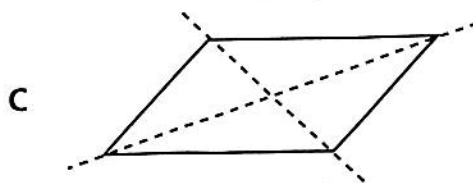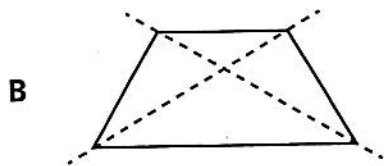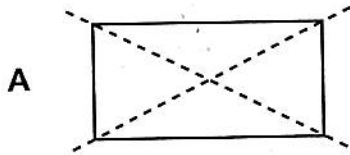**35** Which multiplication expression can be used to check the answer of 978 ÷ 4?

A (259 × 4) + 2

B (244 × 4) + 2

C 244 × 4

D (243 × 4) + 6

36 Which factor of 8 is prime?

A 8

B 4

C 2

D 1

37 Which figure has lines of symmetry marked with dashed lines?

A

B

C

D

Go On

38 What is $4\frac{3}{5} - 2\frac{4}{5}$?

    A $1\frac{4}{5}$

    B   2

    C $2\frac{1}{5}$

    D $2\frac{4}{5}$

39 Which statement about the number below is **not** true?

        8<u>9</u>9,341

    A   The 8 has a value of 800,000.

    B   The <u>9</u> has a value 10 times as great as the 9.

    C   The 3 has a value of 3 × 1,000.

    D   The 4 has a value of 4 × 10.

40 A town's soccer stadium has 4,724 seats. A section with 300 seats is closed for repairs. Tickets for all of the remaining seats have been sold for 5 games. What is the total number of tickets sold for these games?

    A   27,625

    B   23,620

    C   22,120

    D   22,100

41 Two schools collected cans to redeem at a recycling center. The numbers of cans collected by the schools are shown below.

Hillcrest School: three hundred eighty thousand, two hundred nine
Riverbend School: three hundred nineteen thousand, seven hundred ten

Which number sentence compares the numbers of cans collected by the schools?

A $308,209 < 319,710$

B $380,290 > 319,701$

C $380,209 < 390,710$

D $380,209 > 319,710$

42 An animal shelter has 8 cats up for adoption. It has 4 times as many dogs as cats up for adoption. Which number sentence shows d, the number of dogs that are up for adoption?

A $4 \times 8 = d$
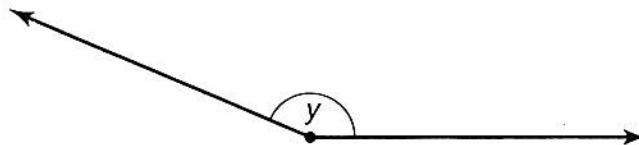
B $8 \div 4 = d$

C $8 - 4 = d$

D $4 + 8 = d$

43 The population of Springdale is 236,048. The population of Bluffton is 54,291 less than Springdale's. What is the total population of Springdale and Bluffton?

A 526,387

B 417,805

C 317,795

D 181,757

Go On

44 Which model correctly represents $\frac{8}{3}$ as $4 \times \frac{2}{3}$?

A

B

C

D

45 What is the measure of $\angle y$?

A 23°

B 33°

C 157°

D 167°

46 Mr. Bogle's classroom library has 38 nonfiction books. It has 5 times as many fiction books as nonfiction books. Which equation could you use to find b, the total number of books in the library?

A $b = 38 + 190$

B $b = 190 - 38$

C $b = 38 + 5$

D $b = 33 + 38$

47 Jamal's family is planning a trip to the Grand Canyon. They will drive 2,332 miles in 4 days to reach the canyon. They want to drive the same distance each day. How many miles should they plan to drive each day?

A   580

B   583

C   5,830

D   9,328

48 A rectangular rug has an area of 32 square feet. Its width measures 4 feet. How long is the rug?

A   8 feet

B   9 feet

C   12 feet

D   28 feet

49 Which of these numbers has the **least** number of factor pairs?

A   6

B   9

C   18

D   19

Go On

50 Write a sentence comparing the values of the 8s in the following number.

80,835

_____

_____

_____

_____

_____

51 Luisa has 14 angel fish in her aquarium. She has 3 times as many guppies as angel fish. If she buys 9 more guppies, what is t, the total number of fish in the aquarium?

Show your work.

Answer $t =$ _____ fish

52 Draw an obtuse angle and label its parts. Find the measure of your angle.

Answer _____°

53 A candy shop has 252 lollipops on its shelves. There are 7 times as many lollipops as shelves. If an equal number of lollipops are on each shelf, how many lollipops are on each shelf?

Show your work.

Answer _____ lollipops

Go On

54 Ms. Farris rides a bus to work. Ms. Farris walks $\frac{1}{4}$ mile from her house to the bus stop. When she gets off the bus, she walks $\frac{2}{4}$ mile to her office. How far does Ms. Farris walk to and from work in 5 days?

Show your work.

Answer _____ mile(s)

Book 2

55 Luis went fishing for bluegills. He kept track of the size of the fish he caught.

FISH LUIS CAUGHT

Mass (in kilograms)	Number of Fish
$\frac{1}{4}$	1
$\frac{2}{4}$	3
$\frac{3}{4}$	2

Make a line plot to show Luis's fish data.

What is the total weight of all the fish Luis caught?

Show your work.

Answer _____ kilograms

Go On

56 Jeremy is getting his garden ready for spring.

Jeremy bought flower bulbs for 13 colors of tulip. If he bought 25 bulbs of each color, how many bulbs did Jeremy buy?

Show your work.

Answer _____ bulbs

Jeremy gave his mother, his grandmother, and his aunt each a bag of tulip bulbs. He put 18 bulbs in each bag. How many bulbs does Jeremy have left for his own garden?

Show your work.

Answer _____ bulbs

57 Nina and Sue are discussing the fraction $\frac{3}{4}$.

Nina says that $\frac{3}{4}$ is a multiple of $\frac{1}{4}$.

Sue says that $\frac{3}{4}$ is a factor of $\frac{9}{4}$.

Who is right? Show or explain how you got your answer.

_____

_____

_____

_____

58 Thomas had 1,229 stamps from Peru in his collection. He bought 18 new Peruvian stamps at a fair. He saves his stamps on cards that hold 6 stamps each. Write an equation that can be used to determine the number of cards, c, Thomas needs for his Peruvian stamps.

Answer _____

Using your equation, determine the number of cards Thomas needs for his Peruvian stamps.

Show your work.

Answer _____ cards

Go On

59 Ellen wants to make a school poster with an area of 12 square feet.
Draw diagrams of 3 different sizes of poster that Ellen could make.

Which diagram has the largest perimeter?
Show your work.

Answer _____

STOP