

11 A group of 5 campers used a total of 12 gallons of water on a camping trip. Each camper used the same amount of water.

How many gallons of water did each camper use?

(A) $\frac{1}{12}$

(B) $\frac{5}{12}$

(C) $2\frac{2}{5}$

(D) $2\frac{1}{2}$

12 Choosing from the numbers 0–9, create a fraction that correctly completes each statement.

A. $4 \times \frac{\square}{\square} < 4$

B. $4 \times \frac{\square}{\square} = 4$

C. $4 \times \frac{\square}{\square} > 4$

13 An egg farm packages 264 total cartons of eggs each month. The farm has 3 different sizes of cartons.

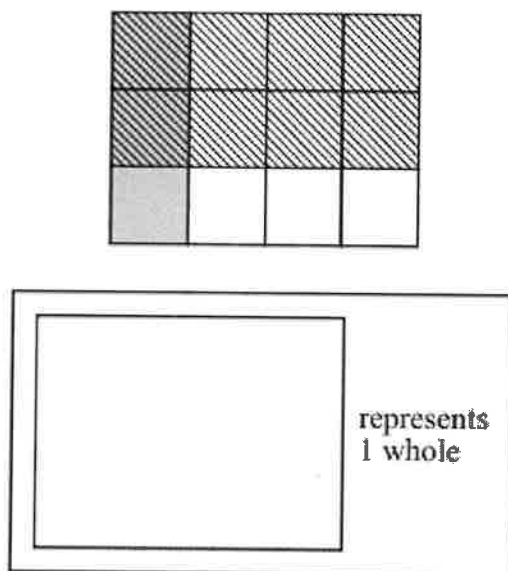
The small carton holds 8 eggs, and $\frac{1}{6}$ of the total cartons are small.

The medium carton holds 12 eggs, and $\frac{2}{3}$ of the total cartons are medium.

The large carton holds 18 eggs, and the rest of the total cartons are large.

Determine how many of each size of carton is needed each month. Then determine how many eggs are needed to fill the 264 cartons. **Show your work or explain your answers.**

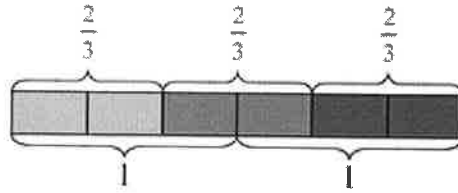
- 14 The model below can be used to find the product of $\frac{2}{3} \times \frac{1}{4}$.



What is the product of $\frac{2}{3} \times \frac{1}{4}$?

- (A) $\frac{2}{9}$
- (B) $\frac{3}{9}$
- (C) $\frac{2}{12}$
- (D) $\frac{9}{12}$

- 15 Makayla said, "I can represent $3 \times \frac{2}{3}$ with 3 rectangles each of length $\frac{2}{3}$."



Connor said, "I know that $\frac{2}{3} \times 3$ can be thought of as $\frac{2}{3}$ of 3. Is 3 copies of $\frac{2}{3}$ the same as $\frac{2}{3}$ of 3?"

- Draw a diagram to represent $\frac{2}{3}$ of 3.
- Explain why your picture and Makayla's picture together show that $3 \times \frac{2}{3} = \frac{2}{3} \times 3$.
- What property of multiplication do these pictures illustrate?

16 The distance between Rosa's house and her school is $\frac{3}{4}$ mile. She ran $\frac{1}{3}$ of the way to school. How many miles did she run?

(A) $\frac{5}{12}$ mile

(B) $\frac{1}{4}$ mile

(C) $\frac{1}{2}$ mile

(D) $1\frac{1}{12}$ mile

17 Mr. Jones has 24 pieces of bread. He will sell $\frac{2}{3}$ of the pieces that he has. How many pieces of bread will Mr. Jones sell? Show your work using numbers, words, and/or pictures.

18 Kevin uses $1\frac{1}{4}$ cups of milk to make 1 cake. What is the total amount of milk Kevin needs to make 6 of these cakes?

(A) 6 cups

(B) $6\frac{1}{4}$ cups

(C) $7\frac{1}{2}$ cups

(D) 9 cups

19 Kendra is making $\frac{1}{2}$ of a recipe. The full recipe calls for $3\frac{1}{4}$ cups of flour. How many cups of flour should Kendra use?

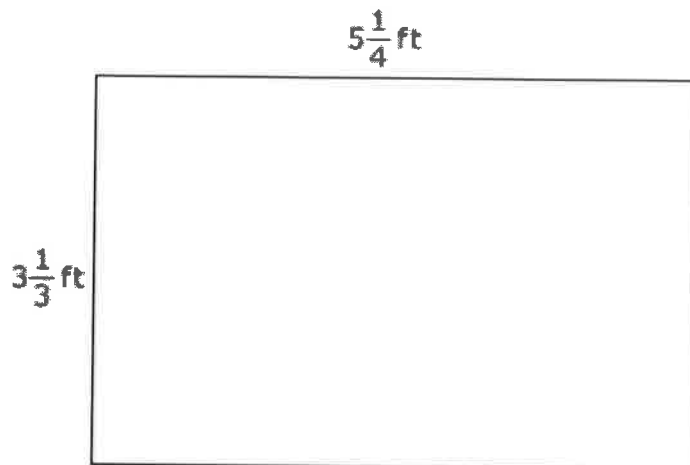
(A) $1\frac{1}{8}$ cups

(B) $1\frac{5}{8}$ cups

(C) $2\frac{3}{4}$ cups

(D) $6\frac{1}{2}$ cups

20 Rob is calculating the area of this rectangle:



His strategy is to multiply the whole numbers first, and then multiply the fractions. Since

$3 \times 5 = 15$ and $\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$, he concludes that the area of the rectangle is $15\frac{1}{12}$ square feet. Rob is incorrect.

Find the correct area, in square feet, of the rectangle. Show or explain how you found your answer.

- 21 Jen makes a rectangular banner. It is $\frac{3}{4}$ of a yard long and $\frac{1}{4}$ of a yard wide.

What is the area, in square yards, of the banner?

- 22 Manny's gingerbread cookie recipe used $6\frac{1}{2}$ cups of flour. Manny wants to make $\frac{1}{2}$ the recipe. What is the total number of cups of flour Manny will need to make $\frac{1}{2}$ the recipe?

(A) $3\frac{1}{4}$

(B) $3\frac{1}{2}$

(C) 6

(D) 7

23 Trees cover $\frac{5}{12}$ of the land in park A. Park B has trees that cover $\frac{3}{8}$ times as much land as park A. What fraction of park B is covered with trees?

(A) $\frac{96}{15}$

(B) $\frac{8}{20}$

(C) $\frac{5}{32}$

(D) $\frac{40}{36}$

24 Part A

Kayla, Jim, and Maria each ran after school last week. Kayla ran $\frac{2}{3}$ mile each day after school for 5 days.

How many total miles did Kayla run last week?

Write your answer below. Write **only** your answer.

Part B

Last week Jim trained to run long distance. Each day, he ran $\frac{3}{4}$ mile before and $\frac{3}{4}$ mile after school for 5 days.

How many total miles did Jim run last week?

Write your answer below. Write **only** your answer.

Part C

Maria ran $\frac{3}{4}$ mile each day for 3 days and $\frac{1}{4}$ mile each day for 2 days.

How many total miles did Maria run last week?

Write your answer below. Write **only** your answer.

25 The height of a television screen is $1\frac{1}{3}$ feet. The width of the television screen is $2\frac{3}{8}$ feet.

What is the area, in square feet, of the television screen?

Write your answer in the space provided.

- 26 The table below shows the length of ribbon, in yards, needed to make different art projects.

Project	Length of Ribbon (in yards)
Flower	$1\frac{3}{4}$
Bulletin board	$3\frac{1}{3}$
Costume	2
Mask	$\frac{1}{3}$
Puppet	$2\frac{1}{2}$
Picture frame	$\frac{1}{4}$

Lance has $3\frac{2}{3}$ yards of ribbon. He is making a puppet. How much ribbon, in yards, will Lance have left?

- (A) $1\frac{1}{1}$
- (B) $1\frac{1}{3}$
- (C) $1\frac{1}{6}$
- (D) $\frac{1}{3}$

27 For each of the following word problems, determine whether the solution to the problem can be represented by the expression $\frac{2}{5} + \frac{3}{10}$. Explain your decision for each problem.

- (a) A farmer planted $\frac{2}{5}$ of his forty acres in corn and another $\frac{3}{10}$ of his land in wheat. Taken together, what fraction of the 40 acres had been planted in corn or wheat?
- (b) Jim drank $\frac{2}{5}$ of his water bottle and John drank $\frac{3}{10}$ of his water bottle. How much water did both boys drink?
- (c) Alison has a batch of eggs in the incubator. On Monday $\frac{2}{5}$ of the eggs hatched. By Wednesday, $\frac{3}{10}$ more of the original batch hatched. How many of the eggs hatched in all?
- (d) Two-fifths of the cross-country team arrived at the weight room at 7 a.m. Ten minutes later, $\frac{3}{10}$ of the team showed up. The rest of the team stayed home. What fraction of the team made it to the weight room that day?
- (e) Andy made 2 free throws out of 5 free throw attempts. Jose made 3 free throws out of 10 free throw attempts. What is the fraction of free throw attempts that the two boys made together?
- (f) Two-fifths of the students in the fifth grade want to be in the band. Three-tenths of the students in the fifth grade want to play in the orchestra. What fraction of the students in the fifth grade want to be in one of the two musical groups?
- (g) There are 150 students in the fifth grade at Washington Elementary School. Two-fifths of the students like soccer best and $\frac{3}{10}$ of them like basketball best. What fraction like either soccer or basketball best?
- (h) The fifth grade at Lincoln School has two mixed-sex soccer teams, Team A and Team B. If $\frac{2}{5}$ of Team A are girls and $\frac{3}{10}$ of Team B are girls, what fraction of the players from the two teams are girls?
- (i) Wesley ran $\frac{2}{5}$ of a mile on Monday and $\frac{3}{10}$ of a mile on Tuesday. How far did he run those two days?

28 Isabel lives $\frac{3}{4}$ of a mile from school. Janet lives $\frac{2}{3}$ of a mile from school.

How much farther, in miles, does Isabel live from school than Janet?

29 Jean needs $2\frac{1}{2}$ cups of flour to make sugar cookies and $3\frac{1}{4}$ cups of flour to make peanut butter cookies.

What is the total number of cups of flour that Jean will need to make both kinds of cookies?

(A) $5\frac{2}{6}$

(B) $5\frac{3}{4}$

(C) $6\frac{2}{6}$

(D) $6\frac{3}{4}$

30 Mrs. Phelps bought 4 boxes of crayons at the store to share with her students. Each box contained 64 crayons, so all 4 boxes contained a total of 256 crayons altogether.

(a) Mrs. Phelps wants to give each of her students an equal number of the crayons she bought. There are 32 students in Mrs. Phelps's class. How many crayons should each student get?

(b) How many **more** boxes of crayons does Mrs. Phelps need if she wants each of her students to get 12 crayons? Explain your answer using diagrams, pictures, mathematical expressions, and/or words.

31 Choose true or false for each equation.

A. $37 \times 4 = 1,480 \div 10$ True False

B. $215 \times 39 = 2,487 \div 3$ True False

32 Harry has 1,525 toy logs. He wants to build 5 houses using all of his logs. Harry wants each house to be built using the same number of logs.

How many logs will each house have?

- (A) 35
- (B) 300
- (C) 305
- (D) 7,625

33 Divide.

$$1,534 \div 26 = ?$$

34 Cement is shipped in bags. Each bag weighs 80 pounds. A construction worker needs 1,250 pounds of cement to complete a job.

What is the total number of bags of cement that should be shipped for the construction worker to complete the job?

(A) 14

(B) 15

(C) 16

(D) 17

35 Each ticket for a concert cost \$14. The total amount of ticket sales for the concert was \$8,792. How many tickets were sold?

(A) 556

(B) 628

(C) 793

(D) 858

36 Which equation has the same unknown value as $405 \div 15 = \square$?

(A) $405 \times \square = 15$

(B) $\square \div 405 = 15$

(C) $15 \times \square = 405$

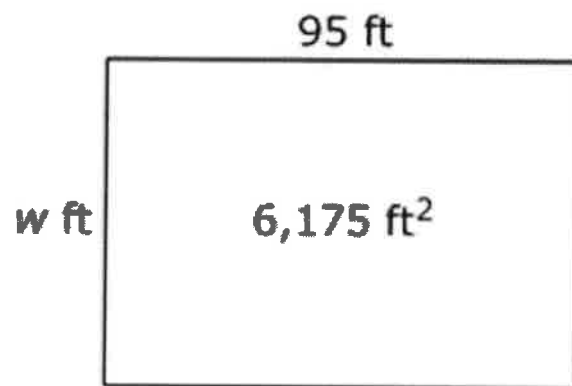
(D) $\square \div 15 = 405$

37 The area of a floor shown below is 6,175 square feet. The length of the floor is 95 feet. The width is w feet.

Write a multiplication equation that can be used to find the value of w .

Explain how to use an operation other than multiplication to find the value of w . Include the value of w in your explanation.

Write your equation, your explanation, and your answer in the space provided.



38 Solve.

$$6,348 \div 12 =$$

39 Two students were solving the problem $53.2 \div 10^1$.

Caley said, "I know that the answer is 5.32 because I moved the decimal point one place to the left."

Tori responded, "I know that you're right, but I don't understand why you can just move the decimal place."

What should Caley say to explain her trick to Tori? Make sure you use place value language in your answer.

40 Solve the following problems:

(a) $522.3 \div 10^3$

(b) $522.3 \div 10^2$

(c) $522.3 \div 10^1$

(d) 522.3×10^1

(e) 522.3×10^2

(f) 522.3×10^3

Now, describe a pattern you see in these problems and in your answers. Explain the pattern and why it works.

41 Which number is equal to 10^4 ?

(A) 100

(B) 1,000

(C) 10,000

(D) 100,000

42 Which expression is equivalent to 100,000?

(A) 10^3

(B) 10^4

(C) 10^5

(D) 10^6

43 What is the product of 3.456 and 10^4 ?

(A) 0.0003456

(B) 3.4560000

(C) 34,560

(D) 345,600

44 Which of the following equations is true?

(A) $10^3 = 3 \times 10$

(B) $10^3 = 3 \times 10 + 10$

(C) $10^3 = 10 \times 10 \times 10$

(D) $10^3 = 10 + 10 + 10$

45 Select the **two** equations that are correct when the number 200 is entered in the box.

(A) $_ \times 85 = 17,000$

(B) $_ \div 40 = 50$

(C) $15,000 \div _ = 75$

(D) $1,200 \times 6 = _$

(E) $_ \times 50 = 1,000$

46 What exponent will make this equation true?

$$10^? = 1,000$$

47 Calculate 123×34 :

(a) using a method that uses place value strategies.

(b) using the standard algorithm for multiplying multi-digit numbers.

Show your work using numbers, words, and/or pictures.

48 There are 225 dozen cookies in a bakery. Remember that there are 12 cookies in one dozen.

How many cookies are there in the bakery altogether? Show and explain your work using numbers, words, and/or pictures.

49 Choose true or false for each equation.

A. $4,086 \times 7 = 32,202$ True False

B. $9,130 \times 86 = 785,180$ True False

50 The manager of a concession stand at a professional ball park orders 150 cases of soft drinks. Each case contains 24 bottles. What is the total number of bottles of soft drinks?

- (A) 360
- (B) 2,600
- (C) 3,400
- (D) 3,600

51 Cheryl and Monica were competing against one another in a video game. Cheryl scored 12 times as many points as Monica. Monica scored 61 points.

How many points did Cheryl score?

- (A) 84 points
- (B) 183 points
- (C) 632 points
- (D) 732 points

52 Solve.

$$463 \times 1,945 = ?$$

53 Solve.

$$371 \times 2,584 = ?$$

54 A store has 48 boxes of computer keyboards and 48 boxes of games.

Each box of computer keyboards contains 25 keyboards and each box of games contains 52 games.

The computer keyboards are sold for \$32 each and the games are sold for \$18 each.

Part A: What is the total amount of money the store can earn from selling all the computer keyboards?

Part B: What is the total amount of money the store can earn from selling all the games?

55 Enter your answer below.

$$62 \times 8,198 =$$

56 Which of the following is equivalent to 4.063?

(A) $4 + 0.6 + 0.3$

(B) $4 + 0.6 + 0.03$

(C) $4 + 0.06 + 0.03$

(D) $4 + 0.06 + 0.003$

57 Which of the following inequalities is true?

(A) $0.37 < 0.3$

(B) $0.3 > 0.298$

(C) $0.298 < 0.2$

(D) $0.2 > 0.37$

58 Which expression is equal to 5,007.992?

(A) $5 \times 1,000 + 7 \times 1 + 9 \times \left(\frac{1}{10}\right) + 9 \times \left(\frac{1}{100}\right) + 2 \times \left(\frac{1}{1,000}\right)$

(B) $5 \times 1,000 + 7 \times 1 + 9 \times 10 + 9 \times 100 + 2 \times 1,000$

(C) $5 \times 1,000,000 + 7 \times 1,000 + 9 \times \left(\frac{1}{1}\right) + 9 \times \left(\frac{1}{10}\right) + 2 \times \left(\frac{1}{100}\right)$

(D) $5 \times 1,000,000 + 7 \times 1,000 + 9 \times 100 + 9 \times 10 + 2 \times 1$

59 Four students ran in a race. The table below shows the time it took each student to finish the race.

Race Finish Time

Name of Student	Time to Finish Race (in seconds)
Karla	15.700
Linda	16.005
Mary	15.095
Sofia	16.010

Which student took the **least** amount of time to finish the race?

- (A) Karla
- (B) Linda
- (C) Mary
- (D) Sofia

60 Round each number to the nearest hundredth.

a. 5.025

b. 5.079

c. 5.103

d. 5.117

e. 5.066

f. 5.108

61 The weight of a dime is 2.268 grams. What is the weight of a dime, in grams, when rounded to the nearest tenth?

(A) 2.2

(B) 2.3

(C) 2.26

(D) 2.27

62 What is 26.387 rounded to the nearest **tenth**?

(A) 30.0

(B) 26.4

(C) 26.39

(D) 26.30

63 What is the value of the expression below when $p = 10$?

$$(20 + 30) \div p$$

- (A) 2
- (B) 5
- (C) 23
- (D) 60

64 What is the value of the expression below?

$$6 - (1 \times 4) - 2$$

- (A) 0
- (B) 4
- (C) 10
- (D) 18

65 Solve.

$$3 \times (8 + 16) \div 4 = ?$$

66 Which expression correctly shows the sum of the product of 9 and 5 and the difference of 24 and 6?

(A) $9 + (5 \times 24) - 6$

(B) $(9 \times 5) + (24 - 6)$

(C) $(9 \times 5) - (24 + 6)$

(D) $9 - (5 \times 24) + 6$

67 Mr. Edmunds shared 12 pencils among his four sons as follows:

Alan received $\frac{1}{3}$ of the pencils.

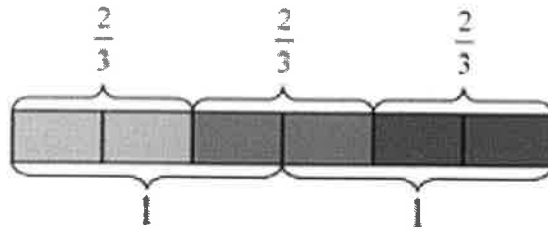
Bill received $\frac{1}{4}$ of the pencils.

Carl received more than 1 pencil.

David received more pencils than Carl.

What fraction of the total number of pencils did Carl and David **each** receive? Explain your answer.

68 Makayla said, "I can represent $3 \times \frac{2}{3}$ with 3 rectangles each of length $\frac{2}{3}$."



Connor said, "I know that $\frac{2}{3} \times 3$ can be thought of as $\frac{2}{3}$ of 3. Is 3 copies of $\frac{2}{3}$ the same as $\frac{2}{3}$ of 3?"

(a) Draw a diagram to represent $\frac{2}{3}$ of 3.

(b) Explain why your picture and Makayla's picture together show that $3 \times \frac{2}{3} = \frac{2}{3} \times 3$.

(c) What property of multiplication do these pictures illustrate?

69 The distance of one loop around a park is $\frac{3}{8}$ mile. Jose jogged around the park and completed 5 loops. What is the total distance he jogged?

(A) 1 mile

(B) $1\frac{7}{8}$ miles

(C) $13\frac{1}{3}$ miles

(D) 15 miles

70 Katherine found $\frac{5}{8}$ of a pizza left over in her refrigerator. She wants to eat $\frac{1}{2}$ of the remaining pizza.

How much of the original pizza does Katherine want to eat?

(A) $\frac{1}{8}$

(B) $\frac{5}{16}$

(C) $\frac{5}{10}$

(D) $\frac{8}{10}$

71 Find the value of the expression below.

$$\frac{2}{3} \times 7$$

(A) 3

(B) $4\frac{2}{3}$

(C) $10\frac{1}{2}$

(D) 14

72 Which statement describes $\frac{3}{8} \times \frac{4}{9}$?

(A) $\frac{3}{8} \times \frac{4}{9}$ is 3 groups of $\frac{4}{9}$, divided into 8 equal parts.

(B) $\frac{3}{8} \times \frac{4}{9}$ is 8 groups of $\frac{4}{9}$, divided into 3 equal parts.

(C) $\frac{3}{8} \times \frac{4}{9}$ is 3 groups of $\frac{4}{9}$, divided into 72 equal parts.

(D) $\frac{3}{8} \times \frac{4}{9}$ is 8 groups of $\frac{4}{9}$, divided into 12 equal parts.

73 What is the product of $\frac{2}{3} \times \frac{3}{8}$?

(A) $\frac{5}{11}$

(B) $\frac{9}{16}$

(C) $\frac{5}{24}$

(D) $\frac{6}{24}$

74 Of all the baseball caps in a store, $\frac{2}{3}$ of the caps are blue. Of all the blue baseball caps, $\frac{4}{7}$ are on sale. What fraction of the baseball caps in the store are blue and on sale?

(A) $\frac{6}{10}$

(B) $\frac{8}{10}$

(C) $\frac{6}{21}$

(D) $\frac{8}{21}$

75 Which expression is equivalent to $\frac{3}{4} \times 12$?

(A) $3 \div 12 \div 4$

(B) $4 \div 12 \div 3$

(C) $3 \times 12 \div 4$

(D) $4 \times 12 \div 3$

76 Curt and Ian both ran a mile. Curt's time was $\frac{8}{9}$ of Ian's time. Who ran faster? Explain and draw a picture.

77 Decide which number or expression is greater without multiplying. Circle the greater of the two in each pair.

(a) 817 or 235×817

(b) 99 or $\frac{1}{4} \times 99$

(c) $\frac{51}{100}$ or $\frac{51}{100} \times 301$

(d) $\frac{13}{90}$ or $\frac{2}{3} \times \frac{13}{90}$

(e) $\frac{101}{102}$ or $\frac{101}{102} \times \frac{101}{102}$

(f) $\frac{99}{5}$ or $\frac{99}{5} \times \frac{1}{2}$

(g) $\frac{8}{21} \times 40$ or $\frac{28}{21} \times 40$

(h) $\frac{8}{3} \times \frac{5}{7}$ or $\frac{8}{3} \times \frac{9}{4}$

78 Kulani is painting his room. He needs $\frac{1}{3}$ of a gallon to paint the whole room. What fraction of a gallon will he need for each of his 4 walls if he uses the same amount of paint on each wall? Explain your work and draw a picture to support your reasoning.

79 Mr. Jones will cut 6 identical loaves of bread into pieces that are $\frac{1}{4}$ loaf each. After he cuts the 6 loaves, how many pieces will Mr. Jones have? Show your work using numbers, words, and/or pictures.

80 Eva has 2 liters of juice and some glasses. She will pour $\frac{1}{4}$ liter of juice into each glass.

What is the total number of glasses Eva can fill with the juice?

(A) 6

(B) 7

(C) 8

(D) 9

81 What is the value of $42 \div \frac{1}{7}$?

(A) $\frac{1}{294}$

(B) $\frac{1}{6}$

(C) 6

(D) 294

82 Mr. Diaz bought a board that was 12 feet long. He cut the entire board into pieces that were each $\frac{1}{3}$ foot long. How many pieces did Mr. Diaz have?

(A) 18

(B) 24

(C) 36

(D) 48

83 Write your answer below.

$$6 \div \frac{1}{7} =$$

84 Joe has 1.6 meters of rope. He has to cut pieces of rope that are each 0.2 meters long.

(a) Estimate how many pieces Joe will be able to cut. Explain your estimation strategy.

(b) Calculate exactly how many pieces Joe will be able to cut. Explain your reasoning using words, numbers, and/or pictures.

85 A box 2 centimeters high, 3 centimeters wide, and 5 centimeters long can hold 40 grams of clay. A second box has twice the height, three times the width, and the same length as the first box. How many grams of clay can it hold?

(A) 120

(B) 160

(C) 200

(D) 240

(E) 280

- 86 The table below shows the measurements of the human eye.

Human Eye Measurements

Measurement	Number of Inches
Back to front	0.94
Bottom to top	0.91
Side to side	0.94

Which statement correctly compares the side to side measurement with the bottom to top measurement?

- (A) $0.94 > 0.91$
- (B) $0.94 = 0.94$
- (C) $0.91 > 0.94$
- (D) $0.91 = 0.91$

87 Select the **two** comparisons that are correct.

(A) thirty-eight tenths $>$ 3.78

(B) five and sixty-nine thousandths $<$ 5.69

(C) $6 \times 10 + 25 \times \frac{1}{100} + 8 \times \frac{1}{1,000} > 60.342$

(D) $4.802 > 4 + 7 \times \frac{1}{10} + 13 \times \frac{1}{100} + 2 \times \frac{1}{1,000}$

(E) $3 \times 10 + 5 \times \frac{1}{10} + 12 \times \frac{1}{1,000} <$ thirty and five hundred nine thousandths

88 Select the **two** correct comparisons.

(A) $0.057 < 0.008$

(B) $0.057 < 0.57$

(C) $0.57 = 0.570$

(D) $0.57 > 1.001$

(E) $0.057 < 0.049$

89 Which of these are equal to 83.041?

Select the **two** correct answers.

(A) eighty-three and forty-one tenths

(B) $8 \times 10 + 3 \times 1 + 4 \times \frac{1}{10} + 1 \times \frac{1}{100}$

(C) eighty-three and forty-one hundredths

(D) $8 \times 10 + 3 \times 1 + 4 \times \frac{1}{100} + 1 \times \frac{1}{1,000}$

(E) eighty-three and forty-one thousandths

90 Mrs. Bell wrote the expanded form of a number, as shown.

$$5 \times 100 + 4 \times 10 + 6 \times 1 + 2 \times \left(\frac{1}{10}\right) + 8 \times \left(\frac{1}{1000}\right)$$

What is the number written in standard form?

91 Identify the answer choices that represent the same value as "forty-two and nine hundred five thousandths."

Select the **two** correct answers.

(A) 42,905

(B) $4 \times 10 + 2 \times 1 + 9 \times \frac{1}{10} + 5 \times \frac{1}{100}$

(C) 42.095

(D) $4 \times 10 + 2 \times 1 + 9 \times \frac{1}{10} + 5 \times \frac{1}{1000}$

(E) 42.905

(F) $4 \times 10 + 2 \times 1 + 9 \times \frac{1}{100} + 5 \times \frac{1}{1000}$

92 Which numbers or expressions have the same value as twenty-nine thousandths?

Select the **two** correct answers.

(A) 0.29

(B) 2.9

(C) 0.029

(D) $2 \times \frac{1}{10} + 9 \times \frac{1}{1000}$

(E) $2 \times \frac{1}{10} + 9 \times \frac{1}{100}$

(F) $2 \times \frac{1}{100} + 9 \times \frac{1}{1000}$

93 Eric is playing a video game. At a certain point in the game, he has 31500 points. Then the following events happen, in order:

He earns 2450 additional points.

He loses 3310 points.

The game ends, and his score doubles.

(a) Write an expression for the number of points Eric has at the end of the game. Do not evaluate the expression. The expression should keep track of what happens in each step listed above.

(b) Eric's sister Leila plays the same game. When she is finished playing, her score is given by the expression $3(24500 + 3610) - 6780$. Describe a sequence of events that might have led to Leila earning this score.

94 At a grocery store, 3 employees each stacked 58 cans of peas and 64 cans of corn on a shelf, as represented by this expression. $(3 \times 58) + (3 \times 64)$

Part A Using only addition symbols, write an equivalent expression to the one above.

Part B How do you know the equation you wrote in part A is equivalent to the expression above? Explain your thinking.

95 Tess evaluated an expression by subtracting 6 from 15 and then multiplying the result by 4. Which of the following could be the expression Tess evaluated?

(A) $(4 \times 6) - 15$

(B) $4 \times (15 - 6)$

(C) $(6 + 15) \times 4$

(D) $6 \times (15 - 4)$

96 Which of the following expressions represents a number that is 3 times larger than the sum of 8105 and 186?

(A) $(8105 + 186) \div 3$

(B) $3 \times (8105 + 186)$

(C) $8105 + 186 \div 3$

(D) $3 \times 8105 + 186$

97 Which of the following is equivalent to the expression below?

$$5 \times (42 \div 6)$$

- (A) 5 times 42 groups of 6
- (B) 5 more than 42 divided by 6
- (C) 5 times as large as 42 divided by 6
- (D) 5 groups of 42 divided by 5 groups of 6