

SPRING RECESS

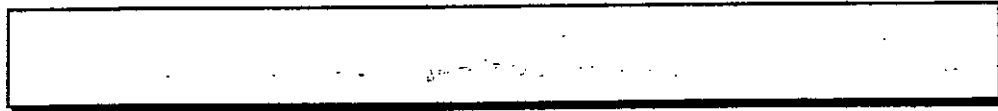


PACKET

NAME: _____

CLASS: _____

DATE: _____

**Independent Practice****DIRECTIONS:** Read each question and choose the best answer.

30. The round-trip driving distance from Frank's house to his grandparents' house is 583 miles. This year Frank has visited his grandparents 9 times. If he drove his car each time, how many miles is this?

F 4,527 miles

G 5,087 miles

H 5,202 miles

J 5,247 miles

31. Look at the digit 7 in the number below.

3,275.31

In which number does the digit 7 have $\frac{1}{10}$ the value it has in 3,275.31?

A 3,257.31

B 3,725.31

C 3,235.71

D 3,215.37

32. Kewan has this division problem:

$$375 \div 3 = \square$$

He uses basic facts and divisibility rules to decompose 375 into smaller, easier divisions. Which divisions can he use?

F $(340 \div 3) + (35 \div 3)$ H $(360 \div 3) + (15 \div 3)$ G $(350 \div 3) + (25 \div 3)$ J $(370 \div 3) + (5 \div 3)$

33. Which shows 4.926 in expanded form?

A $(4 \times 1) + (9 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (6 \times \frac{1}{1,000})$

B $(4 \times 10) + (9 \times \frac{1}{10}) + (2 \times \frac{1}{1,000}) + (6 \times \frac{1}{1,000})$

C $(4 \times 10) + (9 \times 1) + (2 \times \frac{1}{10}) + (6 \times \frac{1}{100})$

D $(4 \times 1) + (\frac{926}{1,000})$

34. Find the products.

$$4 \times 10$$

$$4 \times 100$$

$$4 \times 1,000$$

F 4,000
40,000
400,000

G 40
400
4,000

H 4
40
400

J 400
4,000
40,000

35. Find the product.

$$\begin{array}{r} 3,049 \\ \times \quad 6 \\ \hline \end{array}$$

A 18,244

C 18,294

B 18,285

D 18,544

36. Which is the word form for 2.095?

F two thousand, ninety-five

G two and ninety-five tenths

H two and ninety-five hundredths

J two and ninety-five thousandths

37. Which comparison is true?

A $4.53 < 4.35$

B $4.73 = 4.37$

C $4.75 > 4.8$

D $4.95 > 4.59$

38. What is the relationship between 0.1 and 1.0?

F 0.1 is $\frac{1}{100}$ the value of 1.0.

G 0.1 is equal to 1.0.

H 1.0 is $10 \times$ the value of 0.1.

J 1.0 is $100 \times$ the value of 0.1.

39. Chelsea sent a total of 128 e-mails to 8 friends. Each friend received the same number of e-mails. Which multiplication equation can you use to find the number of e-mails each friend received?

A $8 \times 128 = \square$

B $8 \times \square = 128$

C $\square \times 128 = 8$

D Not Here

40. Which represents the same value as $10 \times 10 \times 10$?

F 10^2
 G 10^3
 H 10^4
 J 10^5

41. Use the model to find the sum.



$$0.5 + 0.7 = \square$$

- A 0.8
 B 0.08
 C 1.02
 D 1.2
42. Felix writes the number below.

15.205

Then he writes another number in which the digit 2 has $\frac{1}{10}$ the value as it has in the first number. Which could be the second number he writes?

F 16.025 H 12.036
 G 14.502 J 10.248

43. Four students ran the 50-yard dash. The table shows their times.

Student	Time (sec)
Pat	5.5
Bill	5.52
Miguel	5.4
Han	5.45

Which compares the students' times from the fastest time to the slowest? (Hint: The fastest time is the least number.)

- A $5.4 < 5.45 < 5.5 < 5.52$
 B $5.52 < 5.5 < 5.45 < 5.4$
 C $5.45 < 5.4 < 5.2 < 5.5$
 D $5.45 < 5.5 < 5.4 < 5.52$
44. Find the quotient. Use any method.

$$52 \overline{)832}$$

- F 16
 G 16 R4
 H 15
 J 15 R2
45. Which shows the number 18.062 rounded to the hundredths place *and* to the tenths place?
- A 18.06, 18.1
 B 18.06, 18.2
 C 18.07, 18.1
 D 18.07, 18.2

46. Find the products.

$$80 \times 1,000 = \square$$

$$80 \times 10,000 = \square$$

$$80 \times 100,000 = \square$$

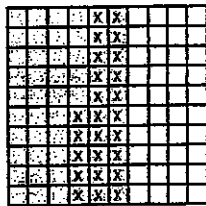
F $80 \ 800 \ 8,000$

G $800 \ 8,000 \ 80,000$

H $8,000 \ 80,000 \ 800,000$

J $80,000 \ 800,000 \ 8,000,000$

47. Use the model to find the difference.



$$0.60 - 0.25 = \square$$

- A 0.85
 B 0.65
 C 0.45
 D 0.35
48. The diameter of a quarter is 24.26 millimeters (mm). Which is the value of the digit 6 in expanded form?

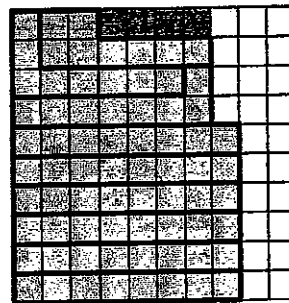
F $6 \times 10 \text{ mm}$

G $6 \times \frac{1}{10} \text{ mm}$

H $6 \times \frac{1}{100} \text{ mm}$

J $6 \times \frac{1}{1,000} \text{ mm}$

49. The model shows $0.76 \div 0.08$.



What is the quotient? (Hint: The 4 darker squares are half of another group of 8.)

- A 9
 B 9.4
 C 9.5
 D Not Here
50. Della needs to divide 265 by 5. She decomposes the division into two smaller divisions, as shown.

$$265 \div 5 = (\underline{\quad} \div 5) + (\underline{\quad} \div 5)$$

Which could be the missing numbers in the number sentence?

F 220 and 30

G 230 and 25

H 240 and 10

J 250 and 15

51. Use mental math to find the product.

$$8 \times 7,000 = \square$$

- A 560
- B 5,600
- C 56,000
- D 560,000

52. A meteorite at a science museum has a mass of 12.827 kilograms. What is the meteorite's mass to the nearest tenth of a kilogram?

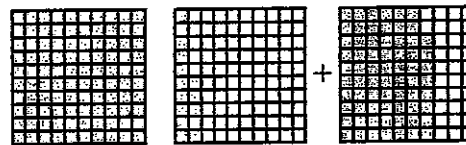
- F 12.82 kg
- G 12.83 kg
- H 12.8 kg
- J 12.9 kg

53. Find the product.

$$\begin{array}{r} 328 \\ \times 43 \\ \hline \end{array}$$

- A 13,120
- B 13,401
- C 14,004
- D 14,104

54. Use the model to find the sum.



$$1.15 + 0.68 = \square$$

- F 1.74
- G 1.83
- H 2.57
- J 2.68

55. Find the products.

$$\begin{array}{l} 10^1 \times 16.582 \\ 10^2 \times 16.582 \\ 10^3 \times 16.582 \end{array}$$

- | | |
|----------|-----------|
| A 165.82 | C 1,658.2 |
| 1,658.2 | 165.82 |
| 16,582 | 16.582 |
| B 16.582 | D 1.6582 |
| 165.82 | 0.16582 |
| 1,658.2 | 0.016582 |

56. Apply the patterns for dividing by powers of 10 to find the quotient.

$$126.87 \div 10^2 = \square$$

- F 12,687.0
- G 1,268.70
- H 12.687
- J 1.2687

57. Natalie rewrites the division problem below as a multiplication problem with a missing factor.

$$245 \div 5 = \square$$

$$5 \times \square = 245$$

Which equation uses the greatest possible multiple of 10 for one of the multiples?

- A $(5 \times 40) + (5 \times 9) = 245$
 B $(5 \times 30) + (5 \times 19) = 245$
 C $(5 \times 20) + (5 \times 29) = 245$
 D $(5 \times 10) + (5 \times 39) = 245$
58. In which number does the digit 3 have $\frac{1}{100}$ the value it has in the number below?

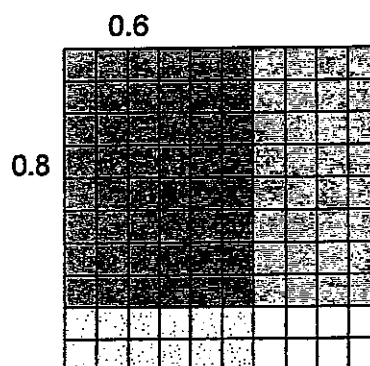
15.304

- F 13.405
 G 15.034
 H 15.403
 J 35.104

59. Which comparison is true?

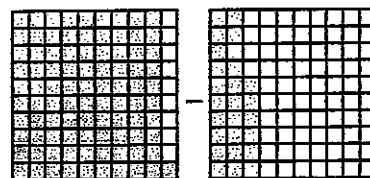
- A $3.068 > 3.059$
 B $3.068 > 3.608$
 C $3.068 < 3.01$
 D $3.068 = 3.68$

60. Use the model to find the product of 0.8×0.6 .



- F 0.048 H 4.8
 G 0.48 J 48

61. Use the model to find the difference.



$$0.91 - 0.26 = \square$$

- A 0.6 B 0.65 C 0.7 D 0.75
62. Ramón bought 400 shares of stock in a technology company. The stock cost \$30.00 per share. Which expression can be used to find the total cost of the stock he bought?
- F $(4 \times 3) \times 10^2$
 G $(4 \times 3) \times 10^3$
 H $(4 \times 3) \times 10^4$
 J Not Here

63. Ron reads that a quarter weighs 5.67 grams. He has 6 quarters in his pocket. What is the total weight of the quarters in his pocket?

A 34.02 grams
B 3.362 grams
C 3.402 grams
D 33.62 grams

64. Which shows 24,000 as a whole number multiplied by a power of ten?

F 24×10^1
G 24×10^2
H 24×10^3
J 24×10^4

65. Find the product. Use $3,000 \times 500$ to estimate the product first.

$$\begin{array}{r} 3,286 \\ \times 543 \\ \hline \end{array}$$

A 39,432
B 63,232
C 1,784,298
D 1,794,308

66. Find the missing divisor.

$$56.08 \div \square = 0.05608$$

F 10^3 H 10^4
G 10^1 J 10^2

67. What is the relationship between 0.08 and 0.008?

A 0.08 is $\frac{1}{1,000}$ the value of 0.008.
B 0.08 is $\frac{1}{100}$ the value of 0.008.
C 0.08 is $\frac{1}{10}$ the value of 0.008.
D 0.08 is $10 \times$ the value of 0.008.

68. Find the product.

$$\begin{array}{r} 5.27 \\ \times 7.8 \\ \hline \end{array}$$

F 39.556 H 41.116
G 41.106 J 42.106

69. Adult tickets to a large aquarium cost \$20.00. One week the aquarium sells 4,000 adult tickets. What is the total income from these ticket sales?

A \$80.00
B \$800.00
C \$8,000.00
D Not Here

70. Find the sum.

$$0.84 + 2.506 = \square$$

F 2.436

H 2.59

G 2.58

J 3.346

71. A pumpkin in Michelle's garden weighs 28.57 pounds. What is the weight of the pumpkin to the nearest whole number?

A 28 pounds

C 28.5 pounds

B 29 pounds

D 28.6 pounds

72. Walter is making a model of the Washington Monument in Washington, D.C. The monument is approximately 555 feet in height. If the model is
- $\frac{1}{1,000}$
- of the actual height of the monument, how tall is Walter's model?

F 55.5 ft

G 5.55 ft

H 0.555 ft

J 0.0555 ft

73. Find the quotient. Use any method.

$$12 \overline{)2,775}$$

A 231 R3

B 232

C 232 R3

D 234

74. Susan has \$15.80. She finds \$3.54 in her desk drawer. How much money does she have now?

F \$18.43

H \$19.34

G \$18.44

J \$20.44

75. The table shows two sprinters' times, in seconds, in a 100-meter sprint.

Sprinter A	12.983
Sprinter B	12.976

What is the correct relationship between these two times?

A $12.983 < 12.976$ B $12.976 > 12.983$ C $12.983 = 12.976$ D $12.983 > 12.976$

76. Find the quotient.

$$0.06 \overline{)4.68}$$

F 0.78

H 7.8

G 7.08

J 78

77. Angel lives 2.55 miles from the park and 0.93 mile from his school. How much farther does he live from the park than from the school?

A 0.62 mile

B 1.62 miles

C 3.42 miles

D 3.52 miles



Independent Practice

DIRECTIONS: Read each question and choose the best answer.

26. Find the sum.

$$\frac{1}{5} + \frac{1}{8} = \square$$

F $\frac{2}{40}$

G $\frac{3}{40}$

H $\frac{13}{40}$

J $\frac{15}{40}$

27. Find the difference.

$$10\frac{7}{8} - 3\frac{5}{6}$$

A $6\frac{23}{24}$

C $7\frac{4}{24}$

B $7\frac{1}{24}$

D $7\frac{6}{24}$

28. Find the product. Use the incomplete model to help you think about the problem.

$$\frac{3}{5} \times 6 = \square$$



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

G $3\frac{3}{5}$

H $6\frac{1}{5}$

J $6\frac{3}{5}$

29. Find the sum.

$$5\frac{2}{3} + 4\frac{1}{6} = \square$$

A $9\frac{1}{3}$

B $9\frac{5}{9}$

C $9\frac{5}{6}$

D $10\frac{1}{6}$

30. Kerri runs a half marathon in $6\frac{1}{4}$ hours.

Deon runs the same race in $\frac{4}{5}$ the amount of time. How long does it take Deon to run the half marathon?

F $3\frac{2}{9}$ hours

G 5 hours

H $5\frac{1}{4}$ hours

J $6\frac{3}{5}$ hours

31. Which division expression has the same value as $\frac{15}{3}$?

A $15 \div 3$

B $15 \div 5$

C $3 \div 15$

D $5 \div 15$

32. A rug measures $2\frac{1}{3}$ yards by $1\frac{1}{4}$ yards. What is the area of the rug?

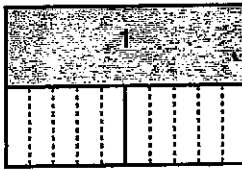
F $1\frac{1}{6}$ sq yd

H $2\frac{11}{12}$ sq yd

G $2\frac{1}{6}$ sq yd

J $3\frac{1}{7}$ sq yd

33. Aisha does $\frac{1}{2}$ of her homework when she gets home on Friday. She does $\frac{1}{5}$ of it early Saturday afternoon. What fraction of her homework has Aisha completed? Use the incomplete model to help you find the answer.



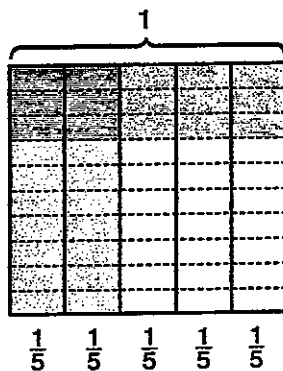
A $\frac{3}{5}$

C $\frac{3}{10}$

B $\frac{7}{5}$

D $\frac{7}{10}$

34. Ayfer sketches the multiplication model below.



What multiplication problem does his model show?

F $\frac{3}{10} \times \frac{2}{5} = \frac{6}{50}$

H $\frac{3}{5} \times 3 = \frac{9}{5}$

G $\frac{7}{10} \times \frac{2}{5} = \frac{14}{50}$

J $\frac{2}{5} \times 1 = \frac{2}{5}$

35. Use logical reasoning to decide which equation has the *least* value.

A $\frac{2}{5} \times 10 = \square$

B $2 \times 10 = \square$

C $5 \times 10 = \square$

D $25 \times 10 = \square$

36. Wayne has the problem $\frac{5}{9} - \frac{1}{3}$. Without subtracting, he realizes that one difference below cannot be correct. On visual inspection, which difference CANNOT be correct?

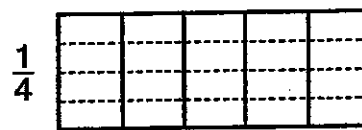
F $\frac{7}{9}$

G $\frac{2}{9}$

H $\frac{1}{9}$

J All answer choices could be correct.

37. Use the model to find the quotient of $\frac{1}{4} \div 5$.



A $\frac{1}{20}$

B $\frac{1}{5}$

C $\frac{5}{20}$

D $\frac{4}{5}$

38. Six friends equally share 4 cases of bottled water. Which of the following does NOT represent the part of the 4 cases that each friend receives?

F $\frac{1}{6}$ of 4

G $\frac{1}{4}$ of 6

H $4 \div 6$

J $\frac{4}{6}$

39. Find the product.

$$\frac{3}{4} \times \frac{16}{21} = \square$$

A $\frac{8}{15}$

B $\frac{4}{7}$

C $\frac{63}{64}$

D $\frac{8}{7}$

40. Diego multiplies $\frac{9}{10}$ by another fraction. The product has the same value as $\frac{9}{10}$. Which could be the fraction he uses as a factor?

$$\frac{9}{10} \times \square$$

F $\frac{5}{10}$

G $\frac{1}{10}$

H $\frac{10}{9}$

J $\frac{5}{5}$

41. Find the sum.

$$\frac{1}{3} + \frac{5}{12} = \square$$

A $\frac{4}{9}$

B $\frac{4}{12}$

C $\frac{6}{15}$

D $\frac{9}{12}$

42. A gardener has 8 pounds of cherry tomatoes. She shares them equally with 3 neighbors. How many pounds of tomatoes does each neighbor receive?

F $2\frac{1}{4}$ pounds

G $2\frac{1}{3}$ pounds

H $2\frac{2}{3}$ pounds

J $2\frac{7}{8}$ pounds

43. Which *best* explains why the product below will be greater than $5\frac{1}{4}$?

$$\frac{7}{4} \times 5\frac{1}{4} = \square$$

A because $5\frac{1}{4}$ is greater than $\frac{7}{4}$

B because $\frac{7}{4}$ is greater than 1

C because you multiply both 5 and $\frac{1}{4}$ by $\frac{7}{4}$

D because it is the same as multiplying

$$5\frac{1}{4} \text{ by } \frac{4}{7}$$

44. Today Nan exercised for $\frac{3}{4}$ of an hour. Yesterday she exercised for $\frac{1}{3}$ of an hour. How much longer did she exercise today than yesterday?
- F $\frac{1}{2}$ hour longer
- G $\frac{5}{12}$ hour longer
- H $\frac{2}{3}$ hour longer
- J $\frac{4}{7}$ hour longer
45. Mario has $\frac{7}{8}$ pound of sesame seeds. He uses $\frac{2}{3}$ of the sesame seeds to make a dip. What quantity of sesame seeds is left?
- A $\frac{5}{24}$ pound
- B $\frac{3}{8}$ pound
- C $\frac{1}{2}$ pound
- D $\frac{7}{12}$ pound
46. LeBron lives 12 blocks from the park. His friend Julio lives $\frac{2}{3}$ as far from the park. Which statement about this situation is true?
- F LeBron lives closer to the park than Julio does.
- G LeBron lives twice as far from the park as Julio does.
- H Julio lives closer to the park than LeBron does.
- J Julio lives half as far from the park as LeBron does.

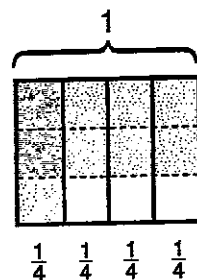
47. Reba has 3 bushels of peaches. She divides them equally into 8 baskets. Which of the following represents the portion of the 3 bushels that is in each basket?

- A $\frac{8}{3}$
- B $\frac{1}{3}$ of 8
- C $8 \div 3$
- D Not Here

48. What is the quotient of $6 \div \frac{1}{4}$?

- F $\frac{1}{24}$
- G $\frac{6}{4}$
- H 12
- J 24

49. The model below represents which multiplication expression?



- A $\frac{2}{3} \times 2$
- B $\frac{1}{4} \times 2$
- C $\frac{2}{12} \times \frac{1}{4}$
- D $\frac{2}{3} \times \frac{1}{4}$

50. Find the product. Sketch a model if it is helpful.

$$\frac{7}{8} \times 3 = \square$$

F $\frac{21}{24}$

G $1\frac{1}{4}$

H $2\frac{5}{8}$

J $3\frac{7}{8}$

51. Catarina completes her science project in 12 hours. It takes Fran $1\frac{1}{5}$ times as long to complete her science project. How long does it take Fran to complete her science project?

A $9\frac{3}{5}$ hours

B $13\frac{1}{5}$ hours

C $14\frac{2}{5}$ hours

D Not Here

52. Find the difference.

$$\frac{8}{10} - \frac{2}{5} = \square$$

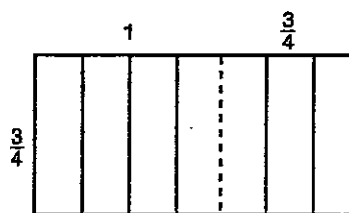
F $\frac{4}{10}$

G $\frac{6}{10}$

H $\frac{12}{10}$

J $\frac{16}{10}$

53. Dai has a rectangular tile that measures $1\frac{3}{4}$ inches by $\frac{3}{4}$ inches. He makes an area model to help him find the area of the tile.



What is the area of the tile in square inches?

A $1\frac{3}{8}$ in.²

C $2\frac{1}{4}$ in.²

B $1\frac{5}{16}$ in.²

D $2\frac{1}{2}$ in.²

54. Martina solves $\frac{1}{3} \div 6$ by solving a related multiplication problem. Which problem does she solve?

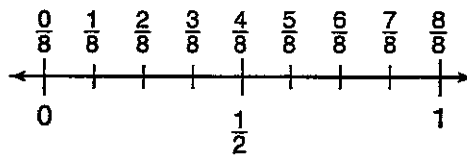
F $\frac{1}{3} \times \frac{1}{6}$

H $3 \times \frac{1}{6}$

G $\frac{1}{3} \times 6$

J 3×6

55. Jan adds $\frac{3}{8}$ cup raisins, $\frac{1}{4}$ cup dried cranberries, and $\frac{1}{2}$ cup chopped pecans to some granola. About how many cups of fruit and nuts does she add to the granola? Use the number line to help you make the estimate.



A about $\frac{3}{4}$ cup

B a little over 1 cup

C about $1\frac{1}{2}$ cups

D almost 2 cups

56. A broom closet measures $2\frac{1}{2}$ feet by $3\frac{2}{3}$ feet. How many square feet of tile are needed to cover the floor of the broom closet?

- F $6\frac{1}{3}$ sq ft H 9 sq ft
 G $6\frac{1}{2}$ sq ft J $9\frac{1}{6}$ sq ft

57. Vivian has the problem $\frac{2}{5} + \frac{1}{2}$. She realizes without adding that only one answer could possibly be correct. Use visual inspection to find the only correct answer.

- A $\frac{1}{5}$ B $\frac{3}{5}$ C $\frac{4}{10}$ D $\frac{9}{10}$

58. T.J. uses a related question to help him find the quotient of $10 \div \frac{1}{4}$. Which question does he use?

- F What is $\frac{1}{4}$ of 10?
 G What is $10 \div 4$?
 H How many $\frac{1}{4}$ s are in 10?
 J How many 4s are in 10?

59. Jennifer has a pitcher that contains $8\frac{1}{2}$ cups of iced tea. She pours $\frac{3}{4}$ of the iced tea into glasses. How much tea does she pour from the pitcher?

- A $2\frac{1}{8}$ cups C $6\frac{3}{8}$ cups
 B 6 cups D $7\frac{3}{4}$ cups

60. Find the difference.

$$\frac{2}{3} - \frac{2}{9} = \square$$

- F $\frac{4}{12}$ H $\frac{4}{6}$
 G $\frac{4}{9}$ J Not Here

61. Jody asks her sister to identify which math statement below is true. Which statement should her sister choose?

- A $\frac{7}{8} \times \frac{7}{8} = \frac{7}{8}$
 B $\frac{7}{8} \times \frac{8}{7} < \frac{7}{8}$
 C $\frac{7}{8} \times 7 < 7$
 D $\frac{8}{7} \times 8 < 8$

62. Liu has 12 cups of red beans. She uses $\frac{1}{5}$ of them to make baked beans. How many cups of beans does she use?

- F $\frac{5}{12}$ cup H $2\frac{4}{5}$ cups
 G $2\frac{2}{5}$ cups J 7 cups

63. Which equation has the least value?

- A $3 \times 4\frac{3}{5} = \square$
 B $\frac{3}{4} \times 4\frac{3}{5} = \square$
 C $4 \times 4\frac{3}{5} = \square$
 D $\frac{4}{3} \times 4\frac{3}{5} = \square$

64. Esma has three rocks that contain fossils. Together the three rocks weigh about 35 pounds. The weights of the two smaller rocks are $5\frac{3}{4}$ pounds and $8\frac{1}{2}$ pounds. About how much does the largest rock weigh?

F about 9 pounds G about 14 pounds H about 21 pounds J about 25 pounds

65. Martin wants to write a fraction that is equivalent to $\frac{2}{3}$. What value should he use for d in the equation below?

$$\frac{2}{3} = 2 \times \frac{8}{2} \times d$$

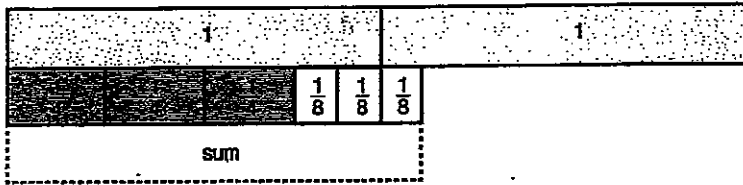
A $\frac{1}{2}$

B $\frac{1}{4}$

C $\frac{1}{12}$

D $\frac{1}{16}$

66. Quinton picks $\frac{3}{4}$ pound of butter beans and $\frac{3}{8}$ pound of pinto beans. How many pounds of beans does he pick? Use fraction strips to help you find the sum.



F $1\frac{3}{4}$ pounds

G $1\frac{6}{12}$ pounds

H $1\frac{3}{8}$ pounds

J $1\frac{1}{8}$ pounds

67. Ms. Moon has 318 tiny silver charms. She packages them 15 to a box. What fraction of a box is left over?

A $\frac{1}{5}$

B $\frac{1}{7}$

C $\frac{3}{7}$

D $\frac{3}{5}$

68. Which is the sum in simplest terms?

$$3\frac{4}{5} + 1\frac{7}{10} = \square$$

F $4\frac{11}{15}$

G $5\frac{3}{10}$

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

J $6\frac{1}{5}$

69. Find the product in simplest terms.

$$\frac{5}{8} \times \frac{2}{3} = \square$$

A $\frac{1}{6}$

C $\frac{5}{12}$

B $\frac{7}{24}$

D $\frac{7}{11}$

70. Which two expressions below have the same value?

F $\frac{1}{6}$ of 18, $6 \div 18$

G $\frac{1}{3}$ of 24, $24 \div 3$

H $\frac{3}{7}$, $7 \div 3$

J $\frac{4}{5}$, $5 \div 4$

71. Allegra reads a chapter book in $10\frac{1}{2}$ hours.

Then she gives it to Jewel. Jewel takes

$1\frac{1}{4}$ times as long to read the book. Which of the statements about the reading times is true?

A It takes Allegra longer to read the book.

B It takes Jewel $\frac{3}{4}$ of the amount of time to read the book.

C Allegra reads the book in $\frac{3}{4}$ the amount of time it takes Jewel.

D None of the statements are true.

72. A bucket contains $\frac{15}{16}$ pound of nails. A carpenter uses $\frac{5}{8}$ pound of the nails. How many pounds of nails were NOT used?

F $\frac{5}{16}$ pound

H $\frac{5}{8}$ pound

G $\frac{1}{2}$ pound

J $\frac{4}{5}$ pound

73. Kevin flattens a cardboard box and measures its sides. It measures $2\frac{3}{5}$ feet by $1\frac{1}{3}$ feet.

What is the area of the flattened box? Use the area model if it is helpful.

	$2 +$	$\frac{3}{5}$
1	$1 \times 2 =$	$1 \times \frac{3}{5} =$
$+\frac{1}{3}$	$\frac{1}{3} \times 2 =$	$\frac{1}{3} \times \frac{3}{5} =$

A $2\frac{1}{5}$ sq ft

C $4\frac{2}{3}$ sq ft

B $3\frac{7}{15}$ sq ft

D $5\frac{4}{5}$ sq ft

74. What is the difference in simplest terms?

$$7\frac{17}{18} - 4\frac{1}{9} = \square$$

F $3\frac{1}{2}$

G $3\frac{5}{6}$

H $3\frac{13}{18}$

J $3\frac{15}{18}$

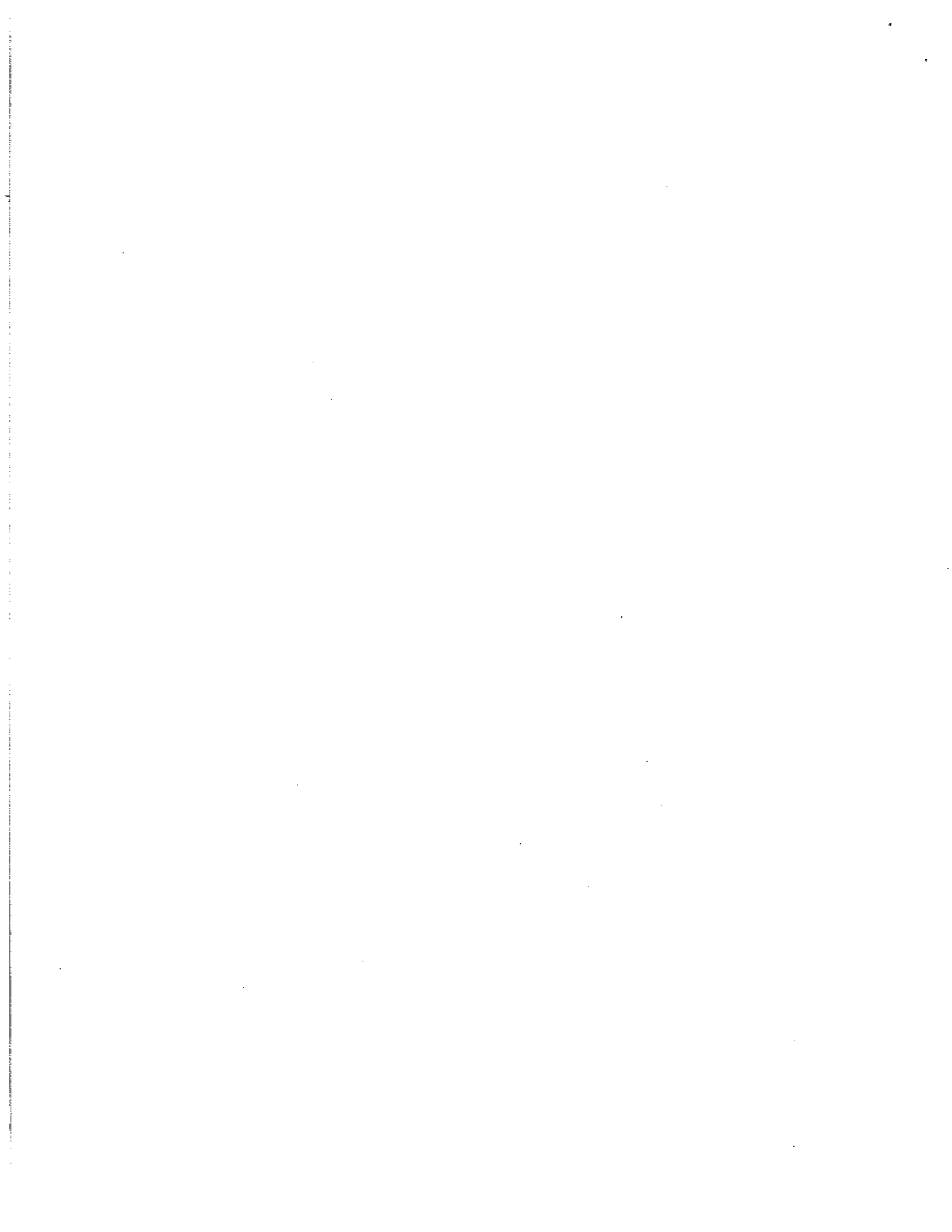
75. Amina has $\frac{1}{2}$ pound of compost to use on 5 plants. She puts the same amount of compost around each plant. How much compost does each plant receive?

A $\frac{1}{10}$ pound

B $\frac{1}{7}$ pound

C $\frac{1}{3}$ pound

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



3. A community bike ride offers a short 5.7-mile ride for children and families. The short ride is followed by a long ride, $5\frac{2}{3}$ times as long as the short ride, for adults. If a woman bikes the short ride with her children and then the long ride with her friends, how many miles does she ride altogether?
4. Sal bought a house for \$78,524.60. Twelve years later he sold the house for $2\frac{3}{4}$ times as much. What was the sale price of the house?



5. In the fifth grade at Lenape Elementary School, there are $\frac{4}{5}$ as many students who do not wear glasses as those who do wear glasses. If there are 60 students who wear glasses, how many students are in the fifth grade?
6. At a factory, a mechanic earns \$17.25 an hour. The president of the company earns $6\frac{2}{3}$ times as much for each hour he works. The janitor at the same company earns $\frac{3}{5}$ as much as the mechanic. How much does the company pay for all three employees' wages for one hour of work?



Name _____

Date _____

1. Draw a tape diagram and a number line to solve. Fill in the blanks that follow.

a. $3 \div \frac{1}{3} =$ _____

There are _____ thirds in 1 whole.

There are _____ thirds in 3 wholes.

If 3 is $\frac{1}{3}$, what is the whole? _____

b. $3 \div \frac{1}{4} =$ _____

There are _____ fourths in 1 whole.

There are _____ fourths in _____ wholes.

If 3 is $\frac{1}{4}$, what is the whole? _____

c. $4 \div \frac{1}{3} =$ _____

There are _____ thirds in 1 whole.

There are _____ thirds in _____ wholes.

If 4 is $\frac{1}{3}$, what is the whole? _____

d. $5 \div \frac{1}{4} =$ _____

There are _____ fourths in 1 whole.

There are _____ fourths in _____ wholes.

If 5 is $\frac{1}{4}$, what is the whole? _____

2. Divide. Then, multiply to check.

a. $2 \div \frac{1}{4}$	b. $6 \div \frac{1}{2}$	c. $5 \div \frac{1}{4}$	d. $5 \div \frac{1}{8}$
e. $6 \div \frac{1}{3}$	f. $3 \div \frac{1}{6}$	g. $6 \div \frac{1}{5}$	h. $6 \div \frac{1}{10}$

3. A principal orders 8 sub sandwiches for a teachers' meeting. She cuts the subs into thirds and puts the mini-subs onto a tray. How many mini-subs are on the tray?
4. Some students prepare 3 different snacks. They make $\frac{1}{8}$ pound bags of nut mix, $\frac{1}{4}$ pound bags of cherries, and $\frac{1}{6}$ pound bags of dried fruit. If they buy 3 pounds of nut mix, 5 pounds of cherries, and 4 pounds of dried fruit, how many of each type of snack bag will they be able to make?

Name _____

Date _____

1. Solve and support your answer with a model or tape diagram. Write your quotient in the blank.

a. $\frac{1}{2} \div 4 =$ _____

b. $\frac{1}{3} \div 6 =$ _____

c. $\frac{1}{4} \div 3 =$ _____

d. $\frac{1}{5} \div 2 =$ _____

2. Divide. Then, multiply to check.

a. $\frac{1}{2} \div 10$	b. $\frac{1}{4} \div 10$	c. $\frac{1}{3} \div 5$	d. $\frac{1}{5} \div 3$
e. $\frac{1}{8} \div 4$	f. $\frac{1}{7} \div 3$	g. $\frac{1}{10} \div 5$	h. $\frac{1}{5} \div 20$



3. Teams of four are competing in a quarter-mile relay race. Each runner must run the same exact distance. What is the distance each teammate runs?
4. Solomon has read $\frac{1}{3}$ of his book. He finishes the book by reading the same amount each night for 5 nights.
- a. What fraction of the book does he read each of the 5 nights?
- b. If he reads 14 pages on each of the 5 nights, how long is the book?



- b. Write the amount of water in each glass in milliliters.
4. Drew has 4 pieces of rope 1 meter long each. He cuts each rope into fifths.
- a. How many fifths will he have after cutting all the ropes?
- b. How long will each of the fifths be in centimeters?

