What did Rover have for breakfast?

Match your answers to the answers in the **Legend.** Then record the corresponding letter in the circles below to answer the riddle. **Note**: The problem numbers match the numbered circles.

LEGEND

- **S** Six thousandths
- **W** Three tenths
- **C** Four tens
- **S** Three tens
- **F** Seven hundredths
- **A** Three ones
- **O** Two thousandths
- **T** Seven tenths
- **O** Four thousandths
- **L** Six ones
- **F** Seven tens
- **O** Four ones
- **K** Six hundredths
- **E** Two tenths
- **A** Two hundredths

Identify the place value of each digit in the number **43.726**

1. 3 _____
2. 6 _____
3. 7 _____
4. 2 _____
5. 4 _____

Identify the place value of each digit in the number **74.362**

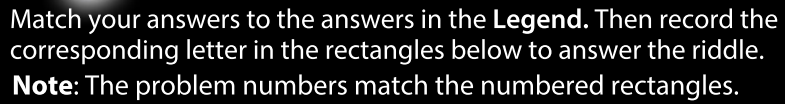6. 6 _____
7. 2 _____
8. 7 _____
9. 3 _____
10. 4 _____

Identify the place value of each digit in the number **36.274**

11. 4 _____
12. 7 _____
13. 6 _____
14. 2 _____
15. 3 _____

○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ – ○ ○ ○
1   2 3 4 5 6   7 8   9 10 11 12 13 14 15

Skill: Naming place value to the thousandths place

5

What did the cow say to her calf?

R 0.2   **C** 0.3   **L** 0.31   **D** 0.51   **E** 0.7

N 0.03   **Y** 0.22   **O** 0.77   **I** 0.93   **U** 1.02

S 0.07   **H** 0.4   **T** 0.09   **G** 1.2   **LEGEND**

Identify the decimal value represented by each picture:

1. ____   2. ____   3. ____   4. ____   5. ____

6. ____   7. ____   8. ____   9. ____   10. ____

11. ____   12. ____   13. ____   14. ____

5 2 2   4 8 7 7 1   6 9 3   5 13   8 14 7   1 5 12 14 8   10 5 1 7 11 8 5 9 13

Skill: Decimals expressed as pictures

Why does the deer spend time clipping coupons?

LEGEND

S 5.007	**B** 0.006	**L** 0.06	**U** 5.7
O 0.6	**Y** 44.005	**K** 2.45	**E** 0.902
W 0.35	**V** 0.922	**C** 44.5	**N** 0.208
T 0.28	**A** 0.035	**H** 2.045	

Write the decimal value represented by the words in each problem:

1. thirty-five hundredths _____

2. five and seven tenths _____

3. six hundredths _____

4. two and forty-five thousandths _____

5. nine hundred twenty-two thousandths _____

6. forty-four and five tenths _____

7. five and seven thousandths _____

8. twenty-eight hundredths _____

9. six tenths _____

10. nine hundred two thousandths _____

11. two hundred eight thousandths _____

12. thirty-five thousandths _____

13. two and forty-five hundredths _____

14. forty-four and five thousandths _____

15. six thousandths _____

4 10	12 3 1 12 14 7

1 12 11 8 7   8 9   7 12 5 10   12   15 2 6 13

Skill: Decimals expressed in words

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Why did the book go to the chiropractor?

Circle the correct answer for each question. Then record the corresponding letter in the circles below to answer the riddle. **Note**: The problem numbers match the numbered circles.

Round **4.752** to the given place value.

1. tenths: **B** 4.7   **R** 4.8   **M** 4.75

2. hundredths: **A** 4.75   **X** 4.76   **N** 4.8

3. ones: **C** 5   **Y** 4.8   **D** 4.0

Round **17.039** to the given place value.

4. ones: **T** 17.1   **S** 17   **E** 18

5. hundredths: **U** 17.04   **W** 17.4   **F** 17.03

6. tens: **H** 20   **Z** 17   **R** 17.1

Round **8.699** to the given place value.

7. tenths: **A** 8.6   **P** 8.7   **Q** 8.69

8. ones: **K** 9   **O** 8   **Y** 8.7

9. hundredths: **B** 8.69   **R** 8.60   **N** 8.70

Round **59.909** to the given place value.

10. tenths: **E** 59.9   **G** 60.0   **I** 59.0

11. hundredths: **J** 59.98   **T** 59.91   **Q** 59.99

12. ones: **C** 59   **M** 59.9   **W** 60

13. If a recipe calls for 3.5 chocolate bars, how many bars should you buy?

 N 3   **F** 4   **P** 5

14. A doctor finds a patient's blood glucose level to be 7.84. To record it in her computer she needs to round to the tenths place. What will she enter into the computer?

 O 7.84   **I** 7.8   **D** 7.9

15. An Olympic runner ran one mile in 4.695 minutes. What is his time rounded to the nearest hundredth?

 O 4.70   **A** 4.69   **Z** 4.68

◯◯◯ ◯◯◯◯ ◯◯◯ ◯◯◯ ◯◯ ◯◯◯◯◯
6 10 1   4 7 14 9   10 12 2   4 15 5   11 15   13 12 6 2 3 8
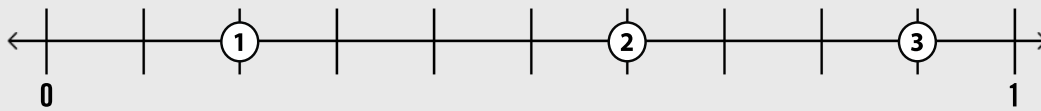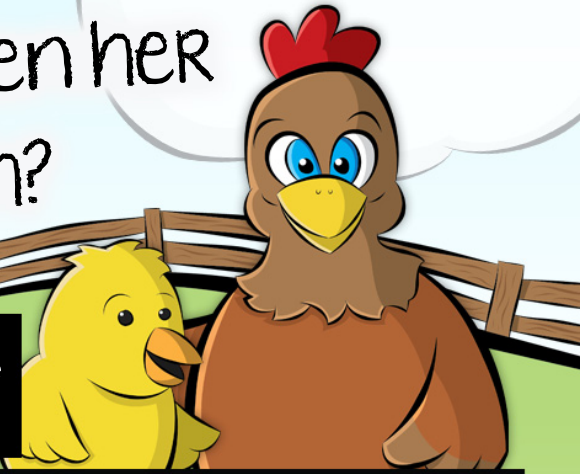
Skill: Rounding decimals to the hundredths place
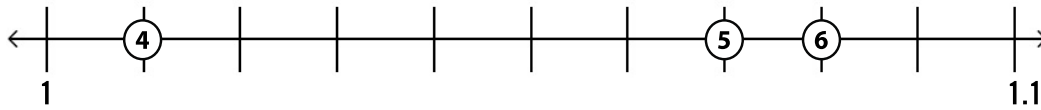
8

What did the hen say when her chick stretched the truth?

Match each numbered circle on the number lines with its correct value from the multiple choice answers on the right. Then record the corresponding letter in the rectangles below to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Number line 1: 0 to 1, with circles 1, 2, 3

- N 0.9
- R 0.99
- B 0.02
- O 0.6
- D 0.2
- X 0.06

Number line 2: 1 to 1.1, with circles 4, 5, 6

- E 1.07
- F 1.8
- G 1.08
- M 1.7
- S 1.1
- T 1.01

Number line 3: 8.3 to 8.4, with circles 7, 8, 9
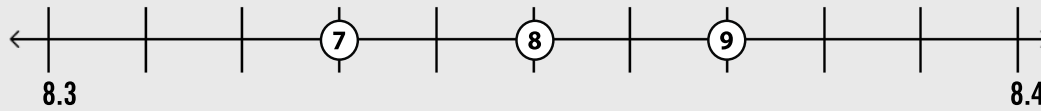
- S 8.33
- B 8.6
- G 8.37
- N 9.0
- R 8.34
- A 8.35

Number line 4: 7.0 to 8.0, with circles 10, 11, 12

- E 7.8
- G 7.3
- Y 7.03
- R 7.9
- H 7.99
- T 7.88

Number line 5: 21.9 to 22, with circles 13, 14, 15
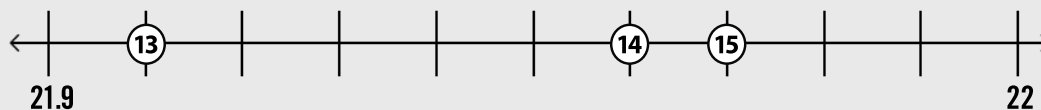
- S 22
- A 21.91
- C 22.5
- T 21.96
- M 21.7
- E 21.97

Riddle answer boxes numbered: 1 2 3 4 ' 5 6 6 7 - 8 9 10 11 12 13 14 15

Skill: Identifying decimals on a number line

9

What song does the shoe like to play on the piano?

Solve the problems in each of the following sections. Then record the corresponding letter in the circles below to answer the riddle.

Note: The problem numbers match the numbered circles.

DIRECTIONS
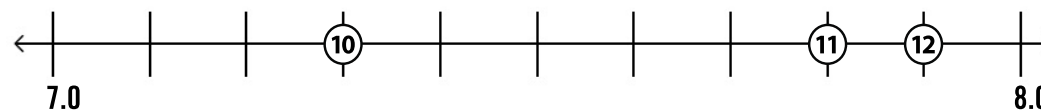
Choose the correct symbol in the problems below to make the statements true.

1 5.4 ◯ 5.39
- B <
- H >
- C =

2 3.07 ◯ 3.7
- E <
- O >
- A =

3 0.9 ◯ 1.0
- A <
- M >
- E =

4 5.6 ◯ 5.60
- S <
- C >
- R =

5 0.27 ◯ 0.027
- A <
- T >
- W =

6 10.6 ◯ 9.6
- E <
- A >
- N =

7 0.306 ◯ 0.36
- N <
- D >
- P =

8 12.6 ◯ 1.26
- R <
- D >
- F =
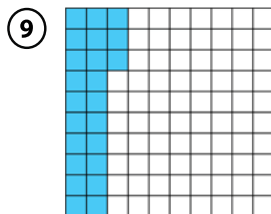
9 Which is less than the amount shown?
- F 0.3
- A 0.23
- S 0.21
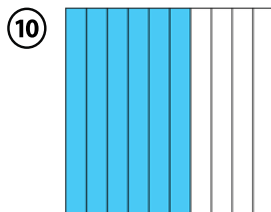
10 Which is more than the amount shown?
- O 0.62
- C 0.60
- I 0.58

11 Sara needs 1.125 yards of fabric to make a new skirt. Which of these is an amount she could buy in order to have enough?
- Y 1.0 yards
- L 1.2 yards
- P 1.1 yards

12 The average male heart weighs 10.2 ounces. Which of these weigh less than the average male heart?
- T 10.20 oz.
- C 10.22 oz.
- E 10.02 oz.

" ◯◯◯◯◯ ◯◯◯ ◯◯◯◯ "
1 2 3 4 5 6 7 8 9 10 11 12

Skill: Comparing decimals

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What did the rose say to the lily when she was driving?
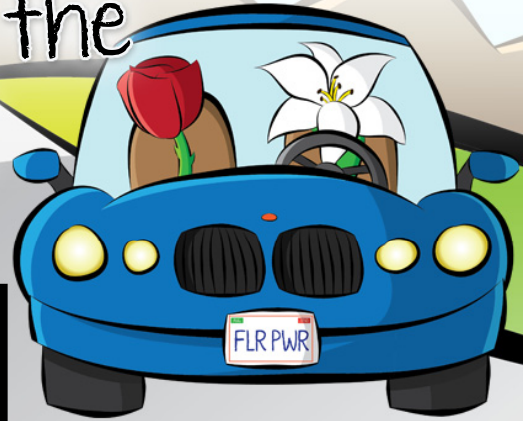
Use a ruler to draw a line from the fractions on the left to the matching decimals on the right. Then record the letter the line passes through in the rectangles below.
Note: The problem numbers match the numbered rectangles.

FLR PWR

① $\frac{1}{10}$ ▫

② $\frac{35}{100}$ ▫   P   H   ▫ 0.0045

③ $\frac{7}{1000}$ ▫   ▫ 0.3

④ $\frac{6}{10}$ ▫   T   P   ▫ 0.06

⑤ $\frac{45}{10,000}$ ▫   O   ▫ 0.03

⑥ $\frac{7}{10}$ ▫   M   ▫ 0.1

⑦ $\frac{6}{100}$ ▫   U   ▫ 0.007

⑧ $\frac{45}{100}$ ▫   E   ▫ 0.45

⑨ $\frac{1}{10,000}$ ▫   A   ▫ 0.035

⑩ $\frac{3}{100}$ ▫   T   ▫ 0.0001

⑪ $\frac{35}{1000}$ ▫   L   E   ▫ 0.6

⑫ $\frac{3}{10}$ ▫   ▫ 0.35

▫ 0.7

																					!
7	2	3	9	5	8	1	6	3	10	11	9	4	3	5	6	12	8	9	10	11		

Skill: Decimals expressed as fractions

Why did the cow lose her driver license?

DIRECTIONS

Solve the problems in each of the following sections. Then record the corresponding letter in the rectangles below to answer the riddle.

Note: The problem numbers match the numbered rectangles.

Choose the correct symbol in the problems below to make the statements true.

1) $0.34 \bigcirc \frac{4}{10}$

- **I** <
- **B** >
- **M** =

2) $\frac{5}{10} \bigcirc 0.5$

- **R** <
- **A** >
- **H** =

3) $0.67 \bigcirc \frac{60}{100}$

- **C** <
- **M** >
- **I** =

4) $\frac{71}{1,000} \bigcirc 0.71$

- **O** <
- **S** >
- **D** =

5) $0.90 \bigcirc \frac{9}{10}$

- **A** <
- **C** >
- **N** =

6) $\frac{31}{100} \bigcirc 0.2$

- **P** <
- **A** >
- **T** =

7) $0.401 \bigcirc \frac{4}{10}$

- **D** <
- **V** >
- **E** =

8) $\frac{8}{100} \bigcirc 0.08$

- **T** <
- **S** >
- **G** =

9) $\frac{6}{10,000} \bigcirc 0.6$

- **D** <
- **Y** >
- **G** =

10) $0.901 \bigcirc \frac{901}{10,000}$

- **A** <
- **S** >
- **H** =

11) $\frac{33}{100} \bigcirc 0.3$

- **E** <
- **Y** >
- **O** =

12) $0.8 \bigcirc \frac{80}{100}$

- **L** <
- **R** >
- **E** =

Circle the correct answer:

13) Three out of ten students prefer vanilla to chocolate ice cream. Which decimal represents a number greater than this fraction?

- **B** 0.29
- **L** 0.306
- **P** 0.3

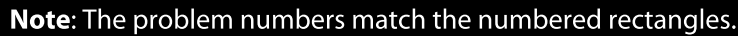**14)** Jill bought 0.8 yards of fabric to make part of her Halloween costume. Which fraction represents a smaller amount of fabric than what Jill bought?

- **T** $\frac{78}{100}$
- **F** $\frac{8}{10}$
- **J** $\frac{81}{100}$

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|10|2|12| |2|6|9| |14|4|4| |3|6|5|11| |3|4|4| |7|1|5|8|-|7|1|4|13|6|14| |1|4|5|10|

Skill: Comparing decimals with fractions

What did the kitten say to his mother when he injured his paw?

Solve the problems in each of the following sections. Then record the corresponding letter in the rectangles below to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Match each addition problem with its answer:

1. 3.7 + 0.3 = _____
2. 28.3 + 11.7 = _____
3. 7.2 + 0.11 = _____
4. 41.2 + 31.9 = _____

- X 40.0
- Y 73.1
- R 8.3
- C 4.0
- M 7.31
- A 0.83

5. 8.9 + 3.4 = _____
6. 26.3 + 0.7 = _____
7. 0.89 + 3.4 = _____
8. 2.63 + 7 = _____

- E 27
- M 4.29
- S 2.7
- U 9.63
- R 123
- W 12.3

9. 0.7 + 0.1 = _____
10. 7.6 + 0.4 = _____
11. 33.6 + 0.15 = _____
12. 33.6 + 1.5 = _____

- O 33.75
- W 3.51
- M 0.8
- Z 0.08
- I 35.1
- A 8

13. 36.13 + 2.8 = _____
14. 3.613 + 2.8 = _____
15. 15.17 + 1.83 = _____
16. 151.7 + 7.83 = _____

- E 38.93
- Y 17
- P 36.41
- U 364.1
- I 6.413
- M 159.53

Using the table on the right, answer the following questions using the multiple choice answers below:

17. How much precipitation fell in Arkansas and California combined? _____

18. How much precipitation fell in the states with the least and most precipitation combined? _____

19. What is the total precipitation of the two states with the most precipitation? _____

20. What is the total precipitation of all five states? _____

ANNUAL PRECIPITATION (in.)

State	
Arkansas:	**50.6**
California:	**22.2**
Hawaii:	**63.7**
New York:	**41.8**
Wyoming:	**12.9**

- A 72.5 in.
- O 76.6 in.
- H 198.6 in.
- O 191.2 in.
- T 111.21 in.
- N 72.8 in.
- F 114.3 in.

"□□□□□, □□□ □□□ □□□ □□-□□□□?"
 3 11 16 9 4   1 10 17   15 18 8   19 14 2   7 13 20 5 12 6

Skill: Adding decimals

Why did the sheep stay after school?

Match each subtraction problem with its answer:

① 12 - 4.7 = _____

② 9.3 - 5.2 = _____

③ 15.1 - 6.32 = _____

- Ⓐ 4.1
- Ⓔ 8.78
- Ⓣ 7.3
- Ⓢ 3.1
- Ⓜ 6.3

④ 23 - 8.63 = _____

⑤ 15.5 - 8.7 = _____

⑥ 79.2 - 3 = _____

- Ⓝ 6.8
- Ⓡ 78.9
- Ⓥ 7.8
- Ⓞ 76.2
- Ⓛ 14.37

⑦ 100 - 54.7 = _____

⑧ 100 - 5.47 = _____

⑨ 7.7 - 2.11 = _____

- Ⓗ 45.3
- Ⓨ 9.453
- Ⓑ 5.59
- Ⓐ 4.53
- Ⓢ 94.53

⑩ 9.99 - 6.66 = _____

⑪ 51 - 49.9 = _____

⑫ 1.7 - 0.39 = _____

- Ⓦ 1.31
- Ⓒ 2.2
- Ⓘ 3.33
- Ⓚ 1.1
- Ⓔ 33.3

Using the table on the right, answer the following questions using the multiple choice answers:

⑬ How much more snow falls each year in Anchorage than in Nashville?

- Ⓓ 67.2 in.
- Ⓜ 68.2 in.
- Ⓖ 6.72 in.

⑭ How much more snow falls each year in Peoria than in Dallas?

- Ⓓ 23.1 in.
- Ⓚ 22.8 in.
- Ⓟ 2.31 in.

⑮ How much more snow falls each year in Anchorage than in the other four cities combined?

- Ⓣ 22.5 in.
- Ⓤ 67.3 in.
- Ⓙ 23.0 in.

AVERAGE SNOW FALL (in./yr.)

Anchorage, AK:	**74.5**
Grand Junction, CO:	**19.1**
Peoria, IL:	**24.6**
Nashville, TN:	**6.3**
Dallas, TX:	**1.5**

Riddle answer boxes with numbers: 7 3 | 12 2 5 1 3 14 | 1 6 | 15 6 10 5 | 1 7 3 | 9 2 2 | 8 11 3 1 9 2 4 4 | 1 3 2 13

Skill: Subtracting decimals

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Why couldn't the watch keep time at the theater?

Solve the problems in each of the following sections. Then record the corresponding letter in the rectangles below to answer the riddle.

Note: The problem numbers match the numbered rectangles.

Solve each problem and match your answers with the answers on the right.

1. 4.7 + 3.3 = _____
2. 0.47 + 3.3 = _____
3. 12.85 + 7.15 = _____
4. 1.285 + 0.715 = _____
5. 128.5 + 7.15 = _____

- **H** 20
- **P** 3.77
- **E** 2
- **Y** 9
- **I** 135.65
- **W** 8

6. 0.103 + 3.77 = _____
7. 1.03 + 3.77 = _____
8. 10.3 + 37.7 = _____
9. 99.9 + 0.1 = _____
10. 9.99 + 0.01 = _____

- **Y** 48
- **S** 3.873
- **E** 4.90
- **D** 10
- **P** 4.80
- **N** 100

11. 10 - 6.0 = _____
12. 10 - 0.6 = _____
13. 10 - 0.06 = _____
14. 54.6 - 12.1 = _____
15. 546 - 12.1 = _____

- **S** 50
- **C** 9.4
- **B** 9.94
- **H** 42.5
- **G** 533.9
- **N** 4.0

16. 27.6 - 3.14 = _____
17. 276 - 31.4 = _____
18. 19.3 - 0.27 = _____
19. 19.3 - 2.7 = _____
20. 1.93 - 0.27 = _____

- **U** 24.46
- **R** 16.6
- **I** 1.66
- **E** 19.03
- **G** 17
- **S** 244.6

Circle the correct answer in each of the word problems:

21. Marisa bought a pair of shorts for $35.45 and a new shirt for $20.99. What was the total cost of her purchase?

   A $56.44   **L** $55.54   **S** $14.46

22. Joe bought a new pair of sunglasses for $18.77 and a hat for $14.25. If sales tax was $2.23, how much did Joe spend?

   B $33.02   **S** $35.25   **R** $37.25

23. Sally's mom gave her $40 before she went to the movie. The movie cost $11. She bought popcorn for $4.65 and a soda for $3.75. How much money did Sally have left after the movie?

   P $59.40   **E** $19.60   **A** $20.60

24. Noah bought a new TV for $299. Sales tax was $25.32. Noah got a mail-in rebate for $55.75. How much did Noah spend on the TV after the rebate?

   R $380.07   **L** $268.57   **H** $324.32

| | | | | | | | | | | | | | | | | | | | | | | | |
|14|5|17| |3|21|11|10|6| |1|18|19|4| |13|16|22|8| |12|24|23|7|2|20|9|15|

Skill: Adding and subtracting decimals

Which organization did the horse want to join?
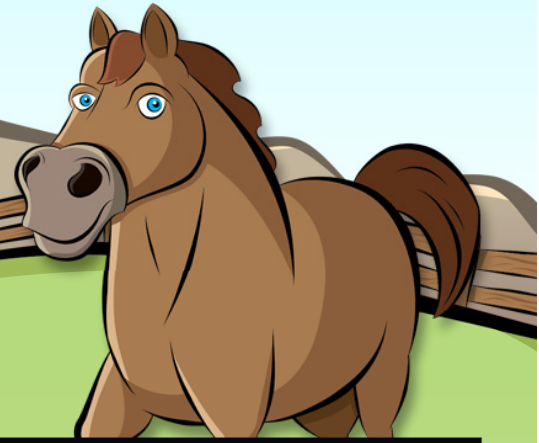
Solve each of the following word problems. Then record the corresponding letter in the rectangles below to answer the riddle.

Note: The rectangle numbers match the problem answers.

D A bag of candy weighs 150.3 grams. Mackenzie eats 50.25 grams of candy on Saturday and 86.7 grams on Sunday. How much candy did she eat over the weekend? _____

U Julia's mom sent her to the store to buy some fruit. She bought 3.25 pounds of apples and 2.73 pounds of grapes. How many pounds of fruit did she buy? _____

E Aiden bought 0.82 pounds of pistachios. His family ate 0.5 pounds of the pistachios. how many pounds of the pistachios are left? _____

O Jasmine needs 4.9 yards of fabric for her craft project. She finds 2.75 yards in her grandma's attic. How many more yards of fabric does she need? _____

I Cameron bought 14.5 ounces of flour, but used 7.15 ounces to make cookies. Then she used 4.8 ounces to make biscuits. How much flour is leftover? _____

H Justin ran 2.18 miles on Monday, 3.7 miles on Wednesday, and 3.25 miles on Friday. How many miles did he run in all? _____

S A toy factory ordered 5.35 pounds of buttons to use on doll clothes. A few months later, there were 2.81 pounds left. How many pounds had the factory used? _____

T Erik drove 100.8 miles on Monday, 98.6 miles on Tuesday, and 153.9 miles on Wednesday. If it takes 500 miles to get where he's going, how many more miles does he need to drive? _____

G Jorge ran 4.7 miles in 38 minutes. Sam ran 5.1 miles in 38 minutes. How much further did Sam run than Jorge? _____

N Jill spent $58.37 on a new pair of ice skates. If tax was $4.21, what was the price of the skates before tax? _____

[ ][ ][ ]   [ ][ ][ ][ ][ ][ ]   [ ][ ][ ][ ][ ][ ][ ]-[ ][ ][ ][ ]

146.7 / 9.13 / 0.32   5.98 / 54.16 / 2.55 / 146.7 / 0.32 / 136.95   54.16 / 0.32 / 2.55 / 0.4 / 9.13 / 146.7 / 2.55 - 2.15 / 54.16 / 2.54

Skill: Adding and subtracting decimals word problems