KIPP Nashville

Name:_____

Grade 5 math packet

Week 1

Directions: Complete the pages of math problems assigned for the day. **Show your work in the space provided or on a separate sheet of paper.** Write the date when you complete that day's work. Have your parent/guardian sign at the bottom of this page when all of your week 1 work is complete and has been checked.

Tuesday: _____

Wednesday: _____

Thursday: _____

Friday: _____

Parent/Guardian Signature:_____

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Fluency Practice

Tuesday	24 ÷ 6 = ___	___ x ___ =___	60 ÷ 6 = ___	___ x ___ =___
	18 ÷ 6 = ___	___ x ___ =___	12 ÷ 6 = ___	___ x ___ =___
	54 ÷ 6 = ___	___ x ___ =___	0 ÷ 6 = ___	___ x ___ =___
	18 ÷ 6 = ___	___ x ___ =___	36 ÷ 6 = ___	___ x ___ =___
	60 ÷ 6 = ___	___ x ___ =___	54 ÷ 6 = ___	___ x ___ =___
Wednesday	12 ÷ 6 = ___	___ x ___ =___	42 ÷ 6 = ___	___ x ___ =___
	6 ÷ 6 = ___	___ x ___ =___	12 ÷ 6 = ___	___ x ___ =___
	24 ÷ 6 = ___	___ x ___ =___	36 ÷ 6 = ___	___ x ___ =___
	60 ÷ 6 = ___	___ x ___ =___	12 ÷ 6 = ___	___ x ___ =___
	12 ÷ 6 = ___	___ x ___ =___	0 ÷ 6 = ___	___ x ___ =___
Thursday	36 ÷ 6 = ___	___ x ___ =___	54 ÷ 6 = ___	___ x ___ =___
	0 ÷ 6 = ___	___ x ___ =___	60 ÷ 6 = ___	___ x ___ =___
	42 ÷ 6 = ___	___ x ___ =___	12 ÷ 6 = ___	___ x ___ =___
	6 ÷ 6 = ___	___ x ___ =___	0 ÷ 6 = ___	___ x ___ =___
	12 ÷ 6 = ___	___ x ___ =___	24 ÷ 6 = ___	___ x ___ =___

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Friday Timed Division Test

Directions: Complete as many facts as you can correctly in 2 minutes.

Score: ___/50

12 ÷ 6 =	**54 ÷ 6 =**	**36 ÷ 6 =**	**6 ÷ 6 =**
36 ÷ 6 =	**60 ÷ 6 =**	**18 ÷ 6 =**	**42 ÷ 6 =**
0 ÷ 6 =	**12 ÷ 6 =**	**60 ÷ 6 =**	**6 ÷ 1 =**
48 ÷ 6 =	**0 ÷ 6 =**	**54 ÷ 6 =**	**18 ÷ 6 =**
42 ÷ 6 =	**6 ÷ 6 =**	**6÷ 1 =**	**0 ÷ 6 =**
18 ÷ 6 =	**30 ÷ 6 =**	**48 ÷ 6 =**	**36 ÷ 6 =**
24÷ 6 =	**6 ÷ 6 =**	**42 ÷ 6 =**	**12 ÷ 6 =**
12 ÷ 6 =	**24 ÷ 6 =**	**18 ÷ 6 =**	**36 ÷ 6 =**
6 ÷ 6 =	**54 ÷ 6 =**	**30 ÷ 6 =**	**6 ÷ 1 =**
18 ÷ 6 =	**48 ÷ 6 =**	**60 ÷ 6 =**	**24 ÷ 6 =**
24 ÷ 6 =	**42 ÷ 6 =**	**36 ÷ 6 =**	**12 ÷ 6 =**
60 ÷ 6 =	**0 ÷ 6 =**	**6 ÷ 6 =**	**30 ÷ 6 =**
54 ÷ 6 =	**36 ÷ 6 =**		

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Week 1, Day 1

1. Which expression below is equivalent to 74 ÷ 0.05?

A. 740 ÷ 0.5

B. 740 ÷ 5

C. 740 ÷ 50

D. 7,400 ÷ 50

2. Which solution accurately shows the product of 458 and 329?

Solution A

$$\begin{array}{r} 458 \\ \times\ 329 \\ \hline 4122 \\ 916 \\ +\ 1374 \\ \hline 6412 \end{array}$$

Solution B

$$\begin{array}{r} 458 \\ \times\ 329 \\ \hline 4122 \\ 916 \\ +\ 137400 \\ \hline 142438 \end{array}$$

Solution C

$$\begin{array}{r} 458 \\ \times\ 329 \\ \hline 4122 \\ 9160 \\ +\ 13740 \\ \hline 27022 \end{array}$$

Solution D

$$\begin{array}{r} 458 \\ \times\ 329 \\ \hline 4122 \\ 9160 \\ +\ 137400 \\ \hline 150682 \end{array}$$

A. Solution A

B. Solution B

C. Solution C

D. Solution D

3. Solve: 856 x 56 =

A. 47,936

B. 912

C. 44,306

D. 9,416

4. Find the quotient.

$$70.4 \div 5$$

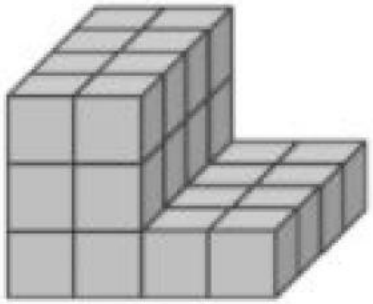
A. 1.408

B. 1.48

C. 14.08

D. 14.8

5. Each cube in this figure has a length, width, and height off 1 centimeter. What is the volume of the figure in cubic centimeters?



A. 12 cubic centimeters

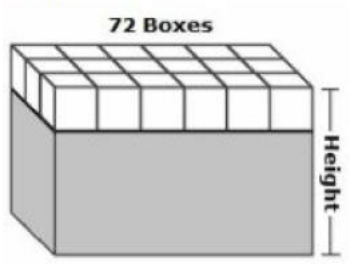
B. 24 cubic centimeters

C. 32 cubic centimeters

D. 64 cubic centimeters

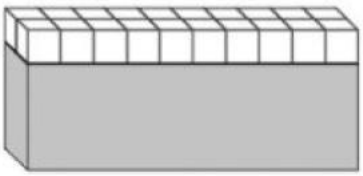
6. A moving company has a small truck packed with 72 boxes, each in the shape of a cube.

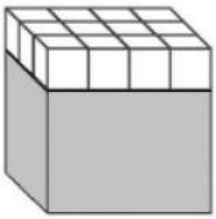
Small truck:

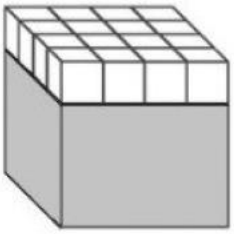


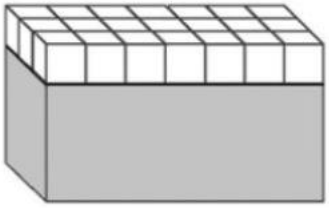
The truck is filled completely, with no empty spaces or gaps between boxes. Each box in the truck has the same volume. The moving company also has some larger trucks that can hold 80 boxes.

If the height of the larger truck is the same as the height of the small truck, which truck will hold exactly the correct number of boxes?

A. 

B. 

C. 

D. 

7. Armando owns a giant shirt factory. Yesterday, he shipped 114 boxes containing 234 shirts each. Today, he shipped 3 times as many shirts but 21 of the boxes of shirts were lost or damaged. How many total shirts, between those shipped yesterday and today, arrived in good condition?
Show your work.

8. Kate went to the store after school. She bought two candy bars and two bottles of water to share with her friend Mia. Each candy bar cost $0.79 and each bottle of water cost $1.19. How much did she spend?
Show your work.

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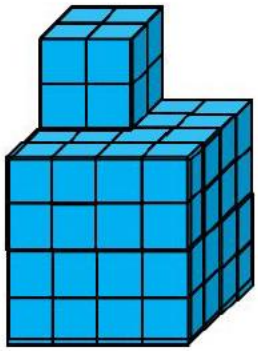
Week 1, Day 2

1. Marlon built a tower out of unit cubes. He placed the larger rectangular prism under the smaller rectangular prism. Which expression could he use to find the volume of the tower?



A. 16 cubic units + 4 cubic units

B. 64 cubic units + 8 cubic units

C. (2 units x 2 units) + (4 units x 4 units)

D. (4 units x 4 units) + (16 units x 16 units)

2. Find the quotient: 7852 ÷ 26

A. 32

B. 302

C. 3,020

D. 3,002

3. Which equation shows a correct strategy and product for the expression below?

0.8 x 0.04

A. $\frac{8}{10} \times \frac{4}{10} = \frac{32}{100}$

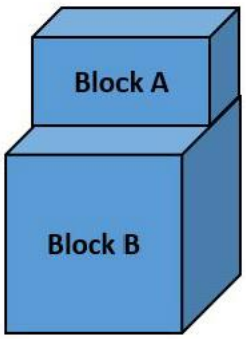
B. $\frac{8}{10} \times \frac{4}{100} = \frac{32}{100}$

C. $\frac{8}{10} \times \frac{4}{100} = \frac{32}{1000}$

D. $\frac{80}{10} \times \frac{4}{10} = \frac{320}{100}$

4. Pete built a block tower from two different sized blocks:

- Block A measures 6 cm long, 3 cm wide, 3 cm tall
- Block B measures 6 cm long, 6 cm wide, 6 cm tall



What is the volume of the block tower he built?

A. 30 cm^3

B. 54 cm^3

C. 216 cm^3

D. 270 cm^3

5. Which digit could be placed in the box below to complete the multiplication algorithm?

$$\begin{array}{r} 8\,3\,\square\,4 \\ \times \qquad\quad 7 \\ \hline 5\,8\,5\,4\,8 \end{array}$$

A. 2

B. 4

C. 6

D. 8

6. Gil has 76.2 oz of juice. He drinks 0.3 times that amount each time he takes a break. How much juice does he drink in three breaks?

A. 22.86 oz

B. 45.72 oz

C. 68.58 oz

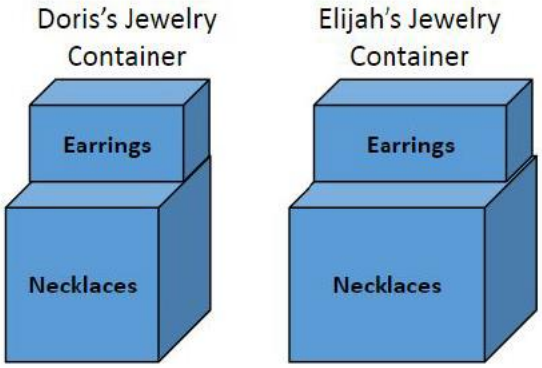
D. 228.6 oz

7. Michael owns the Cookie Crunch Company. Renee owns the Sweet Treats Bakery. Michael packages his cookies in tins with 12 cookies per tin. Renee packages her cookies in tins with 16 cookies per tin. Last week, Michael sold 1,536 cookies and Renee also sold 1,536 cookies. How many more tins of cookies did Michael sell than Renee?
Show your work.

8. Doris and Elijah built custom jewelry containers for a Woodshop class. Each jewelry container was built with a larger compartment for necklaces and a smaller compartment for earrings. The jewelry containers for each student had the following measurements:

- Doris's earring compartment measures 6 in. long, 4 in. wide, 4 in. tall
- Doris's necklace compartment measures 6 in. long, 8 in. wide, 8 in. tall
- Elijah's earring compartment measures 8 in. long, 4 in. wide, 4 in. tall
- Elijah's necklace compartment measures 8 in. long, 8 in. wide, 8 in. tall

Whose jewelry container is larger and by how much?



Show your work.

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Week 1, Day 3

1. Ren sold 1,659 widgets from his factory at a cost of $12.00 each. How much money did he make?

A. $1,990.80

B. $19,908.00

C. $4,977.00

D. $18,218.00

2. Which expression below is equivalent to 2.8 x 3.15?

A. 0.28 x 315

B. 0.28 x 0.315

C. 28 x 0.315

D. 28 x 31.5

3. For a party, Barbara bought a giant box of cookies that weighed 2.22 ounces each. There were 364 cookies in the box. How many ounces of cookies did she buy in total?

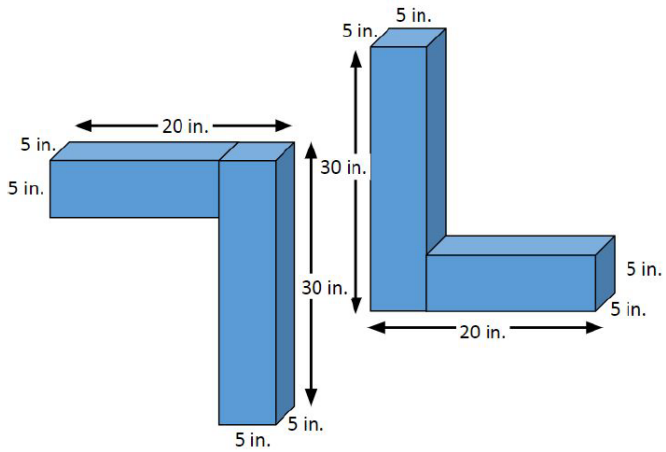
A. 808.08

B. 218.40

C. 163.96

D. 728.00

4. Lisa designed a logo for her company: 7L Consulting. She will make a physical model of the logo out of wood, to display on her desk. The number 7 and letter L will both be built out of rectangular prisms. The measurements of her model are shown. If she uses solid wood blocks, how much wood will she need to make the model?



A. 1,125 in^3

B. 1,200 in^3

C. 2,250 in^3

D. 3,000 in^3

5. Trista has 8,184 chocolates and she packs them into boxes of 24. How many boxes of chocolates will she have?

A. 338

B. 341

C. 372

D. 410

6. Colby has 134.4 ounces of pound cake. He wants to cut it evenly into 0.48 ounce slices. How many slices will he cut?

A. 240

B. 280

C. 24

D. 28

7. Hong is working an after-school job at the candy store. She makes $7 per hour, and for every $5.00 worth of candy she sells, she adds $1.25 to the amount she earns in hourly wages.
Part A : Chocolates cost $0.37 each, and lollipops cost $0.21 each. Hong sells 50 chocolates and 32 lollipops. What is the value of candy she has sold (in dollars and cents)?
Show your work.

Answer _____
Part B : Hong worked for 4 hours. How much money did Hong earn in all at work?
Show your work.

Answer: _____

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Week 1, Day 4

1. Write 95,007.206 in expanded form.

A. $90{,}000 + 5{,}000 + 7 + \frac{2}{10} + \frac{6}{1000}$

B. $90{,}000 + 5{,}000 + 7 + \frac{2}{10} + \frac{6}{100}$

C. $90{,}000 + 5{,}000 + 7 + \frac{2}{100} + \frac{6}{1000}$

D. $90{,}000 + 5{,}000 + 7 + \frac{206}{10}$

2. Find the sum.

18.45 + 9.7

A. 19.42

B. 27.115

C. 27.15

D. 28.15

3. After interest, Jackie has $467.856 dollars in her bank account. However, the bank statement only shows the amount rounded to dollars and cents. On her bank statement, what will the balance read?

A. $467.80

B. $467.85

C. $467.86

D. $467.90

4. Calculate the difference.

94.04 – 17.2

A. 76.84

B. 76.86

C. 77.16

D. 77.24

5. Which of the following is equivalent to 719.34?

A. 7 hundreds, 19 tens, 34 tenths

B. 7 hundreds, 19 tens, 34 hundredths

C. 71 tens, 9 ones, 34 tenths

D. 71 tens, 9 ones, 34 hundredths

6. Michael had 12.68 liters of fruit punch for the class. His friend Madison brought another 5.52 liters of fruit punch. They divided the punch evenly among the 20 students. How much fruit punch did each student get?

A. 9.1 liters

B. 3.64 liters

C. 0.91 liters

D. 0.86 liters

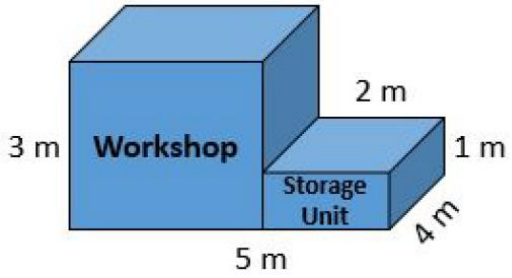
7. A computer recorded how long each step of a rocket launch sequence took to complete. The functions are shown in the table below.

Function	Time to Complete (seconds)
Fire up ignition	8 tenths, 5 hundredths
Deliver fuel to rocket	13 tenths, 7 hundredths
Fuel combustion	19 hundredths
Initial thrust	41 tenths, 6 hundredths
Reach maximum acceleration	16 tenths

How long did it take for the rocket to complete its entire launch sequence?
Show your work.

Answer:_____

8. Mr. Curtis has a workshop. He has a storage unit attached to the workshop, shown below.



What is the total volume of the workshop and the storage unit?
Show your work.

Answer:_____

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Week 2

Directions: Complete the pages of math problems assigned for the day. **Show your work in the space provided or on a separate sheet of paper.** Write the date when you complete that day's work. Have your parent/guardian sign at the bottom of this page when all of your week 2 work is complete and has been checked.

Monday: _____

Tuesday: _____

Wednesday: _____

Thursday: _____

Friday: _____

Parent/Guardian Signature: _____

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FLUENCY PRACTICE

Monday	7 ÷ 7 = ___	___ x ___ =___	56 ÷ 7 = ___	___ x ___ =___
	21 ÷ 7 = ___	___ x ___ =___	70 ÷ 7 = ___	___ x ___ =___
	14 ÷ 7 = ___	___ x ___ =___	63 ÷ 7 = ___	___ x ___ =___
	28 ÷ 7 = ___	___ x ___ =___	35 ÷ 7 = ___	___ x ___ =___
	35 ÷ 7 = ___	___ x ___ =___	0 ÷ 7 = ___	___ x ___ =___

Tuesday	56 ÷ 7 = ___	___ x ___ =___	56 ÷ 7 = ___	___ x ___ =___
	70 ÷ 7 = ___	___ x ___ =___	14 ÷ 7 = ___	___ x ___ =___
	63 ÷ 7 = ___	___ x ___ =___	56 ÷ 7 = ___	___ x ___ =___
	35 ÷ 7 = ___	___ x ___ =___	70 ÷ 7 = ___	___ x ___ =___
	0 ÷ 7 = ___	___ x ___ =___	63 ÷ 7 = ___	___ x ___ =___

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Wednesday	42 ÷ 7 = ____	____ x ____ =____	7 ÷ 7 = ____	____ x ____ =____
	49 ÷ 7 = ____	____ x ____ =____	21 ÷ 7 = ____	____ x ____ =____
	56 ÷ 7 = ____	____ x ____ =____	14 ÷ 7 = ____	____ x ____ =____
	14 ÷ 7 = ____	____ x ____ =____	28 ÷ 7 = ____	____ x ____ =____
	21 ÷ 7 = ____	____ x ____ =____	35 ÷ 7 = ____	____ x ____ =____

Thursday	÷ 7 = ____	____ x ____ =____	7 ÷ 7 = ____	____ x ____ =____
	÷ 7 = ____	____ x ____ =____	21 ÷ 7 = ____	____ x ____ =____
	÷ 7 = ____	____ x ____ =____	14 ÷ 7 = ____	____ x ____ =____
	÷ 7 = ____	____ x ____ =____	28 ÷ 7 = ____	____ x ____ =____
	÷ 7 = ____	____ x ____ =____	35 ÷ 7 = ____	____ x ____ =____

KIPP Nashville

Friday Timed Division Test

Directions: Complete as many facts as you can correctly in 3 minutes.

Score: ___/50

56 ÷ 7 =	**70 ÷ 7 =**	**36 ÷ 7 =**	**63 ÷ 7 =**
49 ÷ 7 =	**7 ÷ 7 =**	**14 ÷ 7 =**	**35 ÷ 7 =**
63 ÷ 7 =	**21 ÷ 7 =**	**7 ÷ 7 =**	**7 ÷ 1 =**
14 ÷ 6 =	**28 ÷ 7 =**	**35 ÷ 7 =**	**21 ÷ 7 =**
7 ÷ 7 =	**14 ÷ 7 =**	**7 ÷1 =**	**70 ÷ 7 =**
21 ÷ 7 =	**70 ÷ 7 =**	**42 ÷ 7 =**	**35 ÷ 7 =**
49÷ 7 =	**7 ÷ 7 =**	**7 ÷ 1 =**	**28 ÷ 7 =**
14 ÷ 7 =	**28 ÷ 7 =**	**14 ÷ 7 =**	**49 ÷ 7 =**
7÷ 7 =	**56 ÷ 7 =**	**42 ÷ 7 =**	**7 ÷ 1 =**
21 ÷ 7 =	**49 ÷ 7 =**	**70 ÷ 7 =**	**63 ÷ 7 =**
35 ÷ 7 =	**42 ÷ 7 =**	**36 ÷ 7 =**	**56 ÷ 7 =**
7 ÷ 7 =	**0 ÷ 7 =**	**0 ÷ 7 =**	**42 ÷ 7 =**
14 ÷ 7 =	**21 ÷ 7 =**		

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Week 2, Day 1

1. Suppose you removed the zero from each decimal below. Which value would be changed?

A. 0.84

B. 1.580

C. 3.027

D. 33.0

2. When Vicki packages her Super Snacks to send to her customers, she labels the net weight on the bag to the tenths. If she puts 10.564 ounces of Super Snacks in each bag, how many ounces will she label on the bag?

A. 10.5

B. 10.56

C. 10.6

D. 10.57

3. James had a cable that was 11.54 feet long. He cut off 4.2 feet. How long was the piece of cable that was left?

A. 7.34 feet

B. 7.44 feet

C. 8.34 feet

D. 15.74 feet

4. Which of the following is the same as 91 tens, 4 tenths, 6 thousandths?

A. 91.46

B. 91.406

C. 910.46

D. 910.406

5. There was a blizzard in New York City. On Friday, it snowed 8.64 inches. On Saturday, it snowed 7.75 inches. On Sunday, it snowed 1.23 inches. How much did it snow in three days?

A. 17.60 inches

B. 16.39 inches

C. 16.52 inches

D. 17.62 inches

6. Which expression below is equivalent to 138.06 ÷ 2?

A. 1380.6 ÷ 0.2

B. 1380.6 ÷ 20

C. 13.806 ÷ 200

D. 13.806 ÷ 20

7. Write, in standard form, a value that meets each set of criteria below.

Part A: Write a number in standard form that is larger than 17 hundredths and smaller than 19 hundredths. *Show your work.*

Answer _____

Part B : Write a number in standard form that is larger than 485 thousandths and smaller than 5 tenths.
Show your work.

Answer _____

Part C : Write a number in standard form that is larger than 6 thousandths and smaller than 5 hundredths.
Show your work.

Answer _____

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Week 2, Day 2

1. Which of the following numbers, when rounded to the nearest thousandth, has a value of 1.904?

A. 1.9045

B. 1.903099

C. 1.90417

D. 1.9046002

2. Which expression below is equivalent to 83 x 0.49?

A. 0.83 x 49

B. 8.3 x 0.049

C. 8.3 x 49

D. 830 x 4.9

3. The results of a swimming race are shown in the table below. Who won the race by completing the race in the shortest amount of time?

Swimmer	Time to Complete Race
Avery	24.03 seconds
Buster	24.51 seconds
Candace	23.62 seconds
DeShawn	23.8 seconds

A. Avery

B. Buster

C. Candace

D. DeShawn

4. Oscar has $35.00. He spends $5.65 on a baseball, gives $10.00 to his sister for her birthday and spends $3.78 on a sandwich. How much money does he have left?

A. $19.43

B. $17.77

C. $15.57

D. $17.57

5. Which inequality is correct?

A. 8.76 > 8.49

B. 8.07 > 8.11

C. 8.004 > 8.1

D. 8.65 > 8.7

6. Wendy is packing a bag. The bag itself weighs 4.7 lbs. Her books weigh 7.84 lbs, her water bottle weighs 0.8 lbs, and her soccer gear weighs 5.29 lbs. How much does her packed bag weigh in total?

A. 13.68 lbs

B. 13.93 lbs

C. 18.63 lbs

D. 25.83 lbs

7. Write, in standard form, values that meet each set of constraints.

Part A : A number contains the digit 3 in the thousandths place. When rounded to the nearest hundredth, it has the value of 6.78. What is this number?
Show your work.

Answer _____

Part B : A number contains the digit 7 in the thousandths place. When rounded to the nearest hundredth, it has the value of 4.25. What is this number?
Show your work.

Answer _____

Part C : A number contains the digit 4 in the thousandths place. When rounded to the nearest tenth, it has the value of 3.5. What is this number?
Show your work.

Answer _____

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Week 2, Day 3

1. Steve swam $\frac{3}{10}$ of a mile this weekend. Andrea swam $\frac{3}{10}$ of a mile more than Steve. Which expression below represents the total distance, in miles, the swimmers swam?

A. $\frac{3}{10} + \frac{1}{10}$

B. $\frac{3}{10} + \frac{4}{10}$

C. $\frac{3}{10} + \frac{4}{20}$

D. $\frac{3}{10} - \frac{1}{10}$

2. Bille donated $\frac{7}{100}$ of her salary to charity this month. How much of her salary did she keep?

A. $\frac{3}{10}$ of her salary

B. $\frac{3}{100}$ of her salary

C. $\frac{93}{100}$ of her salary

D. $\frac{107}{100}$ of her salary

3. Which of the following expressions results in a difference of $\frac{5}{16}$?

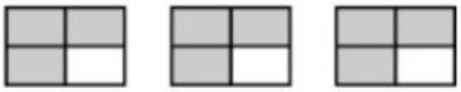
A. $\frac{1}{2} - \frac{3}{16}$

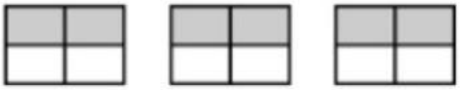
B. $\frac{12}{24} - \frac{7}{8}$

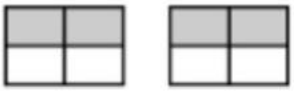
C. $\frac{11}{16} - \frac{6}{8}$

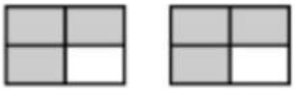
D. $\frac{3}{4} - \frac{4}{12}$

4. Which fraction model best represents $2 \times \frac{3}{4}$?

A. 

B. 

C. 

D. 

5) Austin needs $\frac{15}{16}$ of a pound of chocolate to make his famous Triple Chocolate Cake. He found $\frac{1}{4}$ of a pound of chocolate in his cupboard and another $\frac{3}{8}$ of a pound of chocolate in his refrigerator. How much more chocolate does Austin need to make his cake?

A. $\frac{11}{4}$ of a pound

B. $\frac{5}{16}$ of a pound

C. $\frac{10}{16}$ of a pound

D. $\frac{25}{16}$ of a pound

6) Julia decided to walk to her aunt's house and back on Saturday. She walked $2\frac{1}{2}$ miles under cloudy skies before the rain started falling. She stopped immediately, bought an umbrella, and walked the rest of the $1\frac{3}{5}$ miles to her aunt's house in the pouring rain. She visited her aunt for a couple hours, then said goodbye. She took the same route on the way home, but this time jogged the first $2\frac{3}{4}$ miles because it was raining quite hard. As soon as the rain stopped, she slowed her pace to a walk to enjoy the bright sunshine. She walked the remainder of the way home. How far did Julia walk in the bright sunshine?

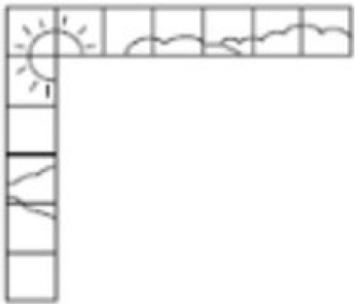
A. $1\frac{7}{20}$ miles

B. $1\frac{7}{10}$ miles

C. $4\frac{1}{10}$ miles

D. $7\frac{3}{20}$ miles

7) Tony began putting together a rectangular puzzle. He completed the top edge and left edge of the puzzle, as shown below. Each piece is a square that has a side length of $2\frac{1}{2}$ centimeters.



What is the total area, in square centimeters, of the completed puzzle?

Show your work.

Answer:_____

KIPP Nashville

Week 2, Day 4

1. Alexandria made $8\frac{6}{10}$ pounds of fudge and gave $2\frac{4}{100}$ pounds of the fudge to her friends.

Approximately how much fudge did she have left after giving it to her friends?

A. 6 pounds

B. $6\frac{1}{2}$ pounds

C. 10 pounds

D. $10\frac{1}{2}$ pounds

2) Sheree had 20 cups of flour to begin with. She used $3\frac{1}{2}$ cups to bake a cake, $\frac{3}{4}$ cup for a chicken recipe, and $11\frac{1}{8}$ cups to make a batch of bread. How much flour did she have left?

A. $15\frac{3}{8}$ cups

B. $4\frac{5}{8}$ cups

C. $14\frac{5}{14}$ cups

D. $5\frac{9}{14}$ cups

3) Jan mowed her lawn for $\frac{5}{12}$ of an hour and planted vegetables in her garden for $\frac{11}{15}$ of an hour. How much longer did Jan spend planting vegetables than she did mowing her lawn?

A. $\frac{6}{3}$ of an hour

B. $\frac{6}{60}$ of an hour

C. $\frac{19}{60}$ of an hour

D. $\frac{69}{60}$ of an hour

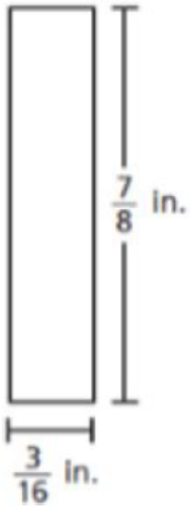
4) Cornelius wrote the equation below.

$\frac{5}{7}$ x 14 = ?

Which expression could Cornelius use to solve the equation?

A. (5 x 14) ÷ 7
B. (5 ÷ 14) x 7
C. (5 x 14) ÷ (7 x 14)
D. (5 x 7) x 14

5) What is the area, in square inches, of a rectangle with the dimensions shown in the diagram below?



A. $\frac{21}{128}$

B. $\frac{3}{14}$

C. $\frac{10}{24}$

D. $\frac{24}{112}$

6) What positive value for *b* makes the statement true?

8 x *b* is greater than 0 but less than 8.

A. $\frac{3}{8}$

B. $1\frac{5}{8}$

C. $\frac{21}{8}$

D. 7

7) Lupe measured the height of three rectangular prisms she was using to pack up some clothing. The large box was $\frac{7}{8}$ of a meter tall. The medium box was $\frac{2}{6}$ of a meter shorter than the large box. The small box was $\frac{1}{4}$ of a meter shorter than the medium box. If the boxes are all stacked on top of each other, what is their combined height?

Show your work.

Answer _____

KIPP Nashville

Week 2, Day 5

1. Which of the following expressions results in a sum of approximately 3 kilograms?

A. $1\frac{4}{10}$ kilograms + $1\frac{5}{8}$ kilograms

B. $1\frac{2}{500}$ kilograms + $1\frac{3}{700}$ kilograms

C. $2\frac{4}{10}$ kilograms + $1\frac{5}{8}$ kilograms

D. $2\frac{2}{500}$ kilograms + $2\frac{3}{700}$ kilograms

2. Which of the following equations is true?

A. $\frac{2}{3} \times 5 = \frac{10}{15}$

B. $2 \times \frac{3}{4} = 2\frac{3}{4}$

C. $\frac{4}{5} \times 2 = \frac{16}{5}$

D. $3 \times \frac{5}{8} = \frac{15}{8}$

3. Frida has $6\frac{1}{5}$ pounds of fruit. She buys another $2\frac{3}{4}$ pounds from the grocery store. Then, she uses $3\frac{3}{10}$ pounds for a fruit salad. How much fruit does she have left?

A. $5\frac{1}{6}$ pounds

B. $3\frac{1}{10}$ pounds

C. $12\frac{1}{4}$ pounds

D. $5\frac{13}{20}$ pounds

4. Jason is cutting a piece of fabric from a larger square that is 1 foot by 1 foot. He cuts and uses a piece that is $\frac{3}{5}$ foot by $\frac{4}{6}$ foot from the square. How much fabric (in square feet) did Jason use?

A. $\frac{3}{5}$

B. $\frac{2}{5}$

C. $\frac{2}{3}$

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

5. Catherine has ½ pound of chocolate to use in her cookie recipe. How many pounds of chocolate would be in one cookie if she made a batch of 8 cookies?

A. $\frac{1}{16}$

B. $\frac{1}{8}$

C. 4

D. 16

6. Order the following expressions from least to greatest.

I. $\frac{3}{4}$ x 60

II. $\frac{10}{9}$ x 60

III. $\frac{1}{6}$ x 60

IV. $\frac{7}{7}$ x 60

A. III, I, IV, II
B. II, IV, I, III
C. I, III, IV, II
D. II, IV, III, I

7) Sarah brought $10\frac{3}{4}$ soft-baked pretzels to the party. The guests ate $5\frac{3}{5}$ of them within the first hour of the party. She then brought another $2\frac{3}{10}$. How many pretzels were there at the party now?

Show your work.

Answer _____