Divide decimals to hundredths using concrete models or drawings and relating the strategy to a written method/algorithm and understanding the reasoning used. CCSS.MATH.CONTENT.5.NBT.B.7 | G5M3C23E1

Misfits Marvin and LoRAM were fascinated with their adventure. So they plan another trip to a resort island after they get home.

1 They estimate that 5 ships with 835 visitors arrive at the resort. If each ship has an equal number of tourists, then calculate the number of visitors in each ship. Write your answer in the boxes given below.

Let's divide 835 by 5:

$$835 \div 5 = \left(800 \div \square\right) + \left(\square\square \div \square\right) + \left(5 \div \square\right)$$

$$= \square\square\square + \square + 1$$

Circle the correct number of visitors on each ship.

166 167 168

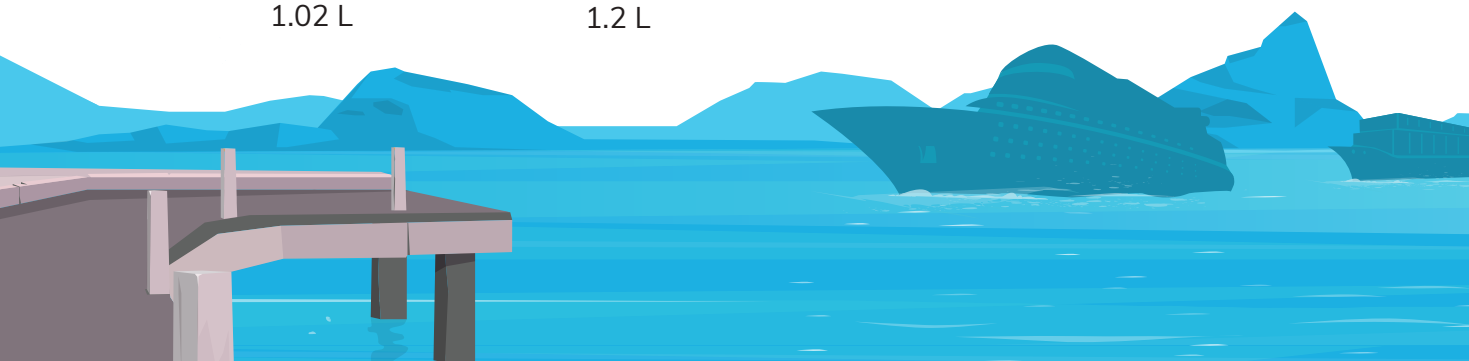
2 A total of 15.30 L of welcome drink is poured into 15 glasses equally. Check the correct rectangular array model that shows the amount of drink in each glass.

$$\begin{array}{r} 1.02 \\ 15 \overline{)\,15.30} \\ -15 \\ \hline 30 \\ -30 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 1.2 \\ 15 \overline{)\,15.30} \\ -15 \\ \hline 30 \\ -30 \\ \hline 0 \end{array}$$

1.02 L

1.2 L



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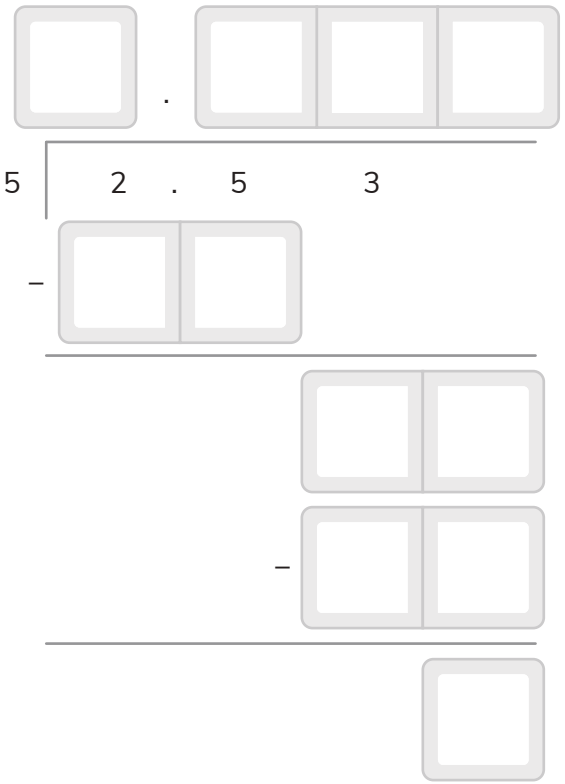
3 The resort is decorated with 8 sets of the same kind of bouquets. The total cost of these sets is $52.48. Calculate the cost of each set. Circle the correct option.

Cost of each set:

$8.76 $6.56 $7.32

A The gate of the resort is decorated with a bunch of balloons. There are 5 balloons in the bunch and all of the balloons are filled with an equal amount of gas. If the bunch of balloons requires a total of 2.53 oz of gas, then how much gas required for 1 balloon? Write your answer in the boxes given below.

Hint: Decimal is placed in the quotient when the tenths position of dividend is reached.



Amount of gas required for each balloon =

. oz

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A guide takes Marvin and LoRAM on a tour to the resort and showing off all the amenities.

1 The garbage management team packs 2560 lb of garbage in the last 5 days. If they pack equal amounts everyday, then how much do they pack each day? Write your answer in the boxes given below.

Fill in the correct code in the boxes given below. One is done for you.

a. 2000 | b. 500 | c. 100 | d. 400

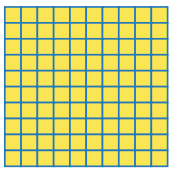
$2560 \div 5 = \square \div 5 + \square \div 5 + 60 \div 5$

$= \square + c + 12$

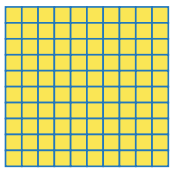
Amount of garbage collected on each day = $\square\square\square$ lb

2 In the kitchen, 2.24 tons of veggies are divided for 4 days in equal quantities. Calculate the amount of veggies allocated for each day. Check the correct box.

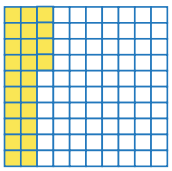
Hint: Each smaller box in a flat represents 0.01 ton of veggies.



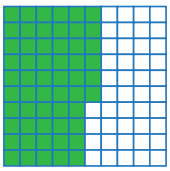
1 ton



1 ton



0.24 ton



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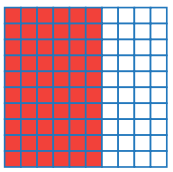

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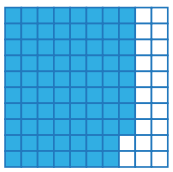

☐

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3 The resort management puts up 9 welcome banners from the reception to the swimming pool. Each of the banners cost the same and the total cost of these 9 banners is $32.04. Check the correct cost of each banner.

Cost of each banner:

☐ $5.32 ☐ $3.24 ☐ $3.56

A The resort management puts up 8 benches maintaining equal distance between them. The sum of the distance between each bench is 39.55 yd. Calculate the distance between each bench. Write your answers in the boxes given below.

Hint: Decimal is placed in quotient when the tenths position of dividend is reached.

```
   □ . □□
7 | 39.55
  - □□
  ----
    □□
  - □□
  ----
     □□
   - □□
  ----
     0
```

Check the correct area occupied by each bench.

☐ 6.56 sq ft

☐ 5.87 sq ft

☐ 5.65 sq ft

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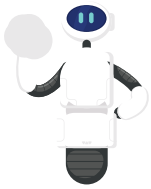
Marvin and LoRam have booked the resort cruise to explore some tourist destinations.

Step 1: First, they are asked to select some tourist destinations of their choice.

Stop 1: Prof. Marvin has to choose any one monuments for sightseeing. Check the monument that Prof. Marvin wants to see.

	☐		☐	
Distance from the resort:		15.45 mi		16.95 mi

Destination: LoRAM chooses another tourist spot to visit. Check the box.



	☐		☐	
Distance from Stop 1:		16.20 mi		20.52 mi

Circle the estimated time to reach **Stop 1** from the resort.

6 h 7 h

Circle the estimated time to reach the **Destination** from **Stop 1**.

6 h 7 h

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Step 2: Calculate the speed of the cruise while reaching **Stop 1**. (Take a maximum of 2 decimals after the point)

Hint: Speed = Distance covered ÷ Time taken

Speed of the cruise = ☐ . ☐☐ mi/h

Step 3: Calculate the speed of the cruise while reaching to the destination from **Stop 1**. (Take a maximum of 2 decimals after the point)

Hint: Speed = Distance covered ÷ Time taken

Speed of the cruise = ☐ . ☐☐ mi/h

Step 5: The captain of the cruise changes the route and takes a shorter route to reach the desired destination. The length of the route is 15.97 mi and the time taken is 5 h. Calculate the speed at which the captain controls the cruise. Write your answer in the boxes given below. (Take a maximum of 2 decimals after the point)

Total distance covered = ☐☐ . ☐☐ mi

Total time = ☐ h

Average speed of the cruise = ☐ . ☐☐ mi/h