1. Rita is hiking along a trail that is 13.7 miles long. So far she has hiked along one-tenth of the trail. How far has Rita hiked?
   
   _____ miles

2. Use the numbers on the tiles to complete each number sentence. You can use a tile more than once or not at all.

   \[
   \begin{align*}
   35.5 \div 10^0 &= \phantom{0} \\
   35.5 \div 10 &= \phantom{0} \\
   35.5 \div 10^2 &= \phantom{0}
   \end{align*}
   \]

3. Tom and his brothers caught 100 fish on a weeklong fishing trip. The total weight of the fish was 235 pounds.

   **Part A**
   
   Write an expression that will find the weight of one fish. Assume that the weight of each fish is the same.

   

   **Part B**
   
   What is the weight of one fish?

   _____ pounds

   **Part C**
   
   Suppose the total weight of the fish caught stayed the same but instead of 100 fish caught during the weekend, only 10 fish were caught. How would the weight of each fish change? Explain.
4. Draw a model to show $5.5 \div 5$.

$5.5 \div 5 = \underline{\hspace{2cm}}$

5. Emma, Brandy, and Damian will cut a rope that is 29.8 feet long into 3 jump ropes. Each of the 3 jump ropes will be the same length. Write a division sentence using compatible numbers to estimate the length of each rope.

6. Karl drove 617.3 miles. For each gallon of gas, the car can travel 41 miles. Select a reasonable estimate of the number of gallons of gas Karl used. Mark all that apply.
   
   A  1.5 gallons  
   B  1.6 gallons  
   C  15 gallons  
   D  16 gallons  
   E  150 gallons

7. Donald bought a box of golf balls for $9.54. There were 18 golf balls in the box. About how much did each golf ball cost?

8. Luke cut down a tree that was 28.8 feet tall. Then he cut the tree into 6 equal pieces to take it away. What is the length of each piece?

   \underline{\hspace{2cm}} $\text{feet}$
9. Samantha is making some floral arrangements. The table shows the prices for one-half dozen of each type of flower.

<table>
<thead>
<tr>
<th>Prices For $\frac{1}{2}$ Dozen Flowers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rose</td>
</tr>
<tr>
<td>Carnation</td>
</tr>
<tr>
<td>Tulip</td>
</tr>
</tbody>
</table>

**Part A**

Samantha wants to buy 6 roses, 4 carnations, and 8 tulips. She estimates that she will spend about $14 on these flowers. Do you agree? Explain your answer.

**Part B**

Along with the flowers, Samantha bought 4 packages of glass beads and 2 vases. The vases cost $3.59 each and the total sales tax was $1.34. The total amount she paid was $28.50, including sales tax. Explain a strategy she could use to find the cost of 1 package of glass beads.

10. Les is sending 8 identical catalogs to one of his customers. If the package with the catalogs weighs 6.72 pounds, how much does each catalog weigh?

_____ pound(s)
11. Divide.

\[ \frac{5}{6.55} \]

12. Isabella is buying art supplies. The table shows the prices for the different items she buys.

<table>
<thead>
<tr>
<th>Art Supplies</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass beads</td>
<td>$0.28 per ounce</td>
</tr>
<tr>
<td>Paint brush</td>
<td>$0.95</td>
</tr>
<tr>
<td>Poster board</td>
<td>$0.75</td>
</tr>
<tr>
<td>Jar of paint</td>
<td>$0.99</td>
</tr>
</tbody>
</table>

**Part A**

Isabella spends $2.25 on poster boards. How many poster boards does she buy?

--- poster boards

**Part B**

Isabella spends $4.87 on paintbrushes and paint. How many of each item does she buy? Explain how you found your answer.

13. Shade the model and circle to show \( 1.4 \div 0.7 \).

\[ 1.4 \div 0.7 = \]
14. Tabitha bought peppers that cost $0.79 per pound. She paid $3.95 for the peppers. How many pounds of peppers did she buy? Show your work.

15. Hank has a large bag of trail mix that weighs 7.8 pounds. He uses the mix in the large bag to make bags each containing 0.6 pound of mix. How many bags containing 0.6 pound can be made?

16. Shareen walked a total of 9.52 miles in a walk-a-thon. If her average speed was 2.8 miles per hour, how long did it take Shareen to complete the walk?

17. For 17a–17c, choose Yes or No to indicate whether a zero must be written in the dividend to find the quotient.

17a. $1.4 \div 0.05$  
   ○ Yes  ○ No

17b. $2.52 \div 0.6$  
   ○ Yes  ○ No

17c. $2.61 \div 0.3$  
   ○ Yes  ○ No

18. Lisandra made 22.8 quarts of split pea soup for her restaurant. She wants to put the same amount of soup into each of 15 containers. How much soup should Lisandra put into each container?
19. Percy buys tomatoes that cost $0.58 per pound. He pays $2.03 for the tomatoes.

**Part A**


**Part B**

How many pounds of tomatoes did Percy actually buy? Show your work.

20. Who drove the fastest? Select the correct answer.

- **A** Harlin drove 363 miles in 6 hours.
- **B** Kevin drove 435 miles in 7 hours.
- **C** Shanna drove 500 miles in 8 hours.
- **D** Hector drove 215 miles in 5 hours.

21. Maritza is buying a multipack of 3 pairs of socks for $25.98. She will save $6.39 by buying the multipack instead of buying 3 individual pairs of the same socks. If each pair of socks costs the same amount, how much does each pair of socks cost when bought individually? Show your work.

22. **THINK SMARTER**

Eric spent $22.00, including sales tax, on 2 jerseys and 3 pairs of socks. The jerseys cost $6.75 each and the total sales tax was $1.03. Fill in the table with the correct prices.

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost of each jersey</td>
<td></td>
</tr>
<tr>
<td>Cost of each pair of socks</td>
<td></td>
</tr>
<tr>
<td>Cost of sales tax</td>
<td></td>
</tr>
</tbody>
</table>