1. Choose the word that makes the sentence true.
The first digit in the quotient of $1,875 \div 9$

will be in the

- ones
- tens
- hundreds
- thousands

2. For 2a–2d, select True or False to indicate whether the quotient is correct.

2a. $225 \div 9 = 25$  
   ○ True  ○ False

2b. $154 \div 7 = 22$  
   ○ True  ○ False

2c. $312 \div 9 = 39$  
   ○ True  ○ False

2d. $412 \div 2 = 260$  
   ○ True  ○ False

3. Chen is checking a division problem by doing the following:

\[
\begin{array}{c}
152 \\
\times 4 \\
\hline
608 \\
+ 2 \\
\hline
610
\end{array}
\]

What problem is Chen checking?
4. Isaiah wrote this problem in his notebook. Using the vocabulary boxes, label the parts of the division problem. Then, using the vocabulary, explain how Isaiah can check whether his quotient is correct.

\[
\begin{array}{ccc}
\text{quotient} & \text{divisor} & \text{dividend} \\
72 & 9)648 & \text{quotient} \\
\end{array}
\]

5. Tammy says the quotient of 793 \( \div \) 6 is 132 r1. Use multiplication to show if Tammy's answer is correct.

\[
\text{Tammy's answer is correct}
\]

6. Jeffery wants to save the same amount of money each week to buy a new bike. He needs $252. If he wants the bike in 14 weeks, how much money should Jeffery save each week?

\[
\begin{array}{c}
\$18 \\
\end{array}
\]

7. Dana is making a seating chart for an awards banquet. There are 184 people coming to the banquet. If 8 people can be seated at each table, how many tables will be needed for the awards banquet?

\[
23 \text{ tables}
\]
8. Darrel divided 575 by 14 by using partial quotients. What is the quotient? Explain your answer using numbers and words.

\[
\begin{array}{ccc}
14 & ) & 575 \\
- & 435 & \\
\hline
10 & 14 & 10
\end{array}
\]

9. For 9a–9c, choose Yes or No to indicate whether the statement is correct.

9a. \(5,210 \div 17\) is 306 r8.  
   - Yes  
   - No

9b. \(8,808 \div 42\) is 209 r30.  
   - Yes  
   - No

9c. \(1,248 \div 24\) is 51.  
   - Yes  
   - No


\[
156 \div 12 = \underline{13}
\]

\[
\begin{array}{c|c|c}
\text{100} & \text{10} & \text{8} \\
\text{10} & \text{1} & \\
\end{array}
\]
11. Divide. Show your work.
\[ 17 \overline{)5,210} \]

\[ \underline{306} \]

12. Choose the compatible numbers that will give the best estimate for \( 429 \div 36 \).

- [ ] 300
- [x] 350
- [ ] 440

and

- [ ] 60
- [ ] 50
- [x] 40

13. **GO DEEPER** Samuel needs 233 feet of wood to build a fence. The wood comes in lengths of 11 feet.

**Part A**

How many total pieces of wood will Samuel need? Explain your answer.

- [ ] 22 pieces

**Part B**

Theresa needs twice as many feet of wood as Samuel. How many pieces of wood does Theresa need? Explain your answer.

- [ ] 43 pieces
14. **THINK SMARTER** Russ and Vickie are trying to solve this problem:
There are 146 students taking buses to the museum. If each bus holds 24 students, how many buses will they need?

Russ says the students need 6 buses. Vickie says they need 7 buses. Who is correct? Explain your reasoning.

Vicki is correct

15. Write the letter for each quick picture under the division problem it represents.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram A" /></td>
<td><img src="image" alt="Diagram B" /></td>
<td><img src="image" alt="Diagram C" /></td>
</tr>
</tbody>
</table>

156 ÷ 12 = 13  \hspace{1cm} 168 ÷ 12 = 14  \hspace{1cm} 144 ÷ 12 = 12

B \hspace{1cm} C \hspace{1cm} A
16. Steve is buying apples for the fifth grade. Each bag holds 12 apples. If there are 75 students total, how many bags of apples will Steve need to buy if he wants to give one apple to each student?

\[ \frac{75}{12} = 6.25 \]

7 bags

17. Rasheed needs to save $231. To earn money, he plans to wash cars and charge $12 per car. Write two estimates Rasheed could use to determine how many cars he needs to wash.

\[ 20 \times 10 = 200 \]
\[ 30 \times 10 = 300 \]

18. Paula has a dog that weighs 3 times as much as Carla’s dog. The total weight of the dogs is 48 pounds. How much does Paula’s dog weigh?

Draw a diagram to find the weight of Paula’s dog.

19. Dylan estimates the first digit in the quotient.

\[ \frac{6}{46} ) 3,662 \]

Dylan’s estimate is [too high, too low]