13
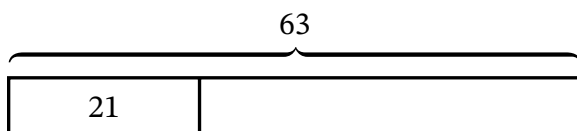
Name _____ Date _____

Estimate the quotient. Complete the tape diagram. Then complete the vertical form and check your work.

1. $63 \div 21 \approx$ _____ $\div$ _____ $=$ _____

63

| 21 | |

```
    2 1 ) 6 3
```

Check:

$63 =$ _____ $\times$ _____

2. $72 \div 18 \approx$ _____ $\div$ _____ $=$ _____

72

| 18 | |
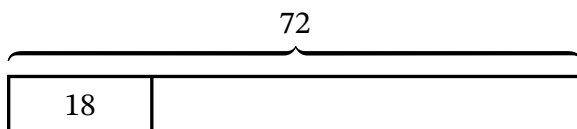
```
    1 8 ) 7 2
```

Check:

$72 =$ _____ $\times$ _____

Estimate the quotient. Complete the tape diagram. Then complete the vertical form and check your work.

3. $95 \div 31 \approx$ _____ $\div$ _____ $=$ _____
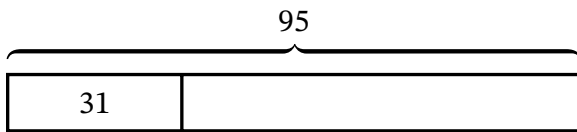
$$31\overline{)95}$$

Quotient: _____

Remainder: _____

Check:

$95 =$ _____ $\times$ _____ $+$ _____

95

| 31 | |

4. $84 \div 19 \approx$ _____ $\div$ _____ $=$ _____
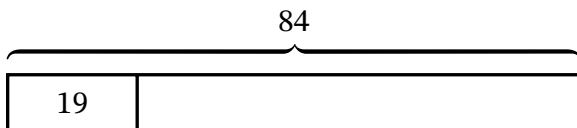
$$19\overline{)84}$$

Quotient: _____

Remainder: _____

Check:

$84 =$ _____ $\times$ _____ $+$ _____

84

| 19 | |

Divide. Then check your work.

5. 96 ÷ 32

$$32\overline{)96}$$

Quotient: _____

Remainder: _____

Check:

6. 54 ÷ 27

Quotient: _____

Remainder: _____

Check:

7. 83 ÷ 21

Quotient: _____

Remainder: _____

Check:

8. 95 ÷ 19

Quotient: _____

Remainder: _____

Check:

9. Scott wants to find 78 ÷ 42. First, he estimates the quotient. Then he uses his estimate to divide.

$$78 \div 42 \approx 80 \div 40$$
$$= 2$$

$$
\begin{array}{r}
2 \\
42{\overline{\smash{\big)}\,78}} \\
\underline{-84}
\end{array}
$$

a. What should Scott do next?

b. Find 78 ÷ 42.

Use the Read–Draw–Write process to solve the problem.

10. An auditorium has 25 seats in each row. How many rows are needed to seat 92 students?