

One-Digit Divisors

In some problems, the divisor is not a factor of the dividend.
The answer to these problems will include a remainder.

Find $254 \div 4$.

- Decide where to place the first digit of the quotient. Since $2 < 4$, the first digit in the quotient will be placed over the 5 in the tens place.

Divide the tens. Determine how many groups of 4 are in 25.

$$\begin{array}{r} 6 \\ 4 \overline{)254} \\ \underline{24} \\ 1 \end{array}$$

Multiply: $4 \times 6 = 24$
Subtract: $25 - 24 = 1$
Compare: $1 < 4$

- Bring down the ones digit. Determine how many groups of 4 are in 14. Write the remainder. Compare the remainder with the divisor. The remainder must be less than the divisor.

$$\begin{array}{r} 63 \text{ R}2 \\ 4 \overline{)254} \\ \underline{24} \\ 14 \\ \underline{12} \\ 2 \end{array}$$

Bring down the ones digit.
Multiply: $4 \times 3 = 12$
Subtract: $14 - 12 = 2$
Compare: $2 < 4$

Divide.

1. $5 \overline{)314}$

2. $7 \overline{)428}$

3. $6 \overline{)583}$

4. $4 \overline{)2,192}$

5. $8 \overline{)9,349}$

6. $3 \overline{)1,736}$

7. $9 \overline{)26,583}$

8. $6 \overline{)313,544}$

9. $642 \div 7 =$

10. $2,387 \div 5 =$

11. $53,029 \div 3 =$

12. $386,075 \div 4 =$
