



SKILL 26: Dividing a 3-Digit Dividend by a 1-Digit Divisor

You can find quotients of larger numbers.

Example

Divide: $729 \div 6$.

Divide the hundreds.

$$\begin{array}{r} 1 \\ 6 \overline{)729} \\ \underline{-6} \\ 1 \end{array}$$

There is one 6 in 7.
Multiply: $1 \times 6 = 6$.
Subtract: $7 - 6 = 1$.
Compare: $1 < 6$.

Divide the tens.

$$\begin{array}{r} 12 \\ 6 \overline{)729} \\ \underline{-6} \downarrow \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

Bring down the 2.
There are two 6s in 12.
Multiply: $2 \times 6 = 12$.
Subtract: $12 - 12 = 0$.
Compare: $0 < 6$.

Divide the ones.

$$\begin{array}{r} 121 \text{ R}3 \\ 6 \overline{)729} \\ \underline{-6} \downarrow \\ 12 \downarrow \\ \underline{-12} \downarrow \\ 09 \\ \underline{-6} \\ 3 \end{array}$$

Bring down the 9.
There is one 6 in 9.
Multiply: $1 \times 6 = 6$.
Subtract: $9 - 6 = 3$.
Compare: $3 < 6$.
Write the remainder.

Check: Multiply quotient by divisor.
Add the remainder.

$$\begin{array}{l} 121 \times 6 = 726 \\ 726 + 3 = 729 \end{array}$$

Guided Practice

Divide.

$$\begin{array}{r} \square \square \square \\ 1. \ 3 \overline{)942} \\ \underline{-9} \\ 04 \\ \underline{-0} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

$$\begin{array}{r} \square \square \square \\ 2. \ 6 \overline{)834} \\ \underline{-6} \\ \square \square \\ \underline{-\square \square} \\ 5\square \\ \underline{-\square \square} \\ 0 \end{array}$$

$$\begin{array}{r} \square \square \square \text{ R} \square \\ 3. \ 2 \overline{)865} \\ \underline{-\square} \\ 0\square \\ \underline{-\square} \\ 0\square \\ \underline{-\square} \\ \square \end{array}$$

SKILL 26: Practice

Divide.

1. $2\overline{)472}$

2. $5\overline{)622}$

3. $3\overline{)546}$

4. $2\overline{)483}$

5. $7\overline{)987}$

6. $3\overline{)881}$

7. $8\overline{)937}$

8. $4\overline{)740}$

9. $3\overline{)489}$

10. $7\overline{)864}$

11. $4\overline{)955}$

12. $8\overline{)896}$

13. $5\overline{)786}$

14. $3\overline{)837}$

15. $6\overline{)711}$

16. $5\overline{)690}$

Solve.

17. A mountain bike costs \$625. How much will Irene have to save each month if she plans to buy the bike in 5 months? _____

18. Pietro's Pizza Palazzo delivered 978 pizzas during a 3-day weekend. What is the average number of pizzas delivered each day? _____



19. What is $999 \div 3$?

A 33

C 307

B 37

D 333

Skill 26

20. Samuel bought 9 gallons of apple juice for \$27. How much did each gallon cost?

F \$3

H \$9

G \$4

J \$12

Skill 21