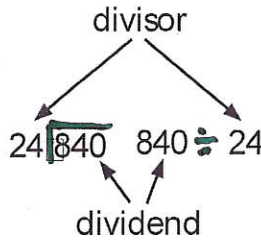


**Vocabulary**

1. The dividend is the number to be divided. The divisor is the number used to divide another number.

840 is the dividend.  
24 is the divisor.



2. The answer to a division problem is called the quotient. A partial quotient is part of the answer to a division problem.

Partial quotients can be added to find the answer to a division problem.

3. A community group is setting up 616 chairs in 22 equal rows for an outdoor music event. How many chairs will be in each row?

Use partial quotients to divide. Think: how many 22s are in 616?

~~10~~ × 22 = 220

20 × 22 = 440 → Try 20

~~30~~ × 22 = 660

$$\begin{array}{r} 20 \\ 22 \overline{)616} \\ \underline{-440} \\ 176 \end{array}$$

Multiply 20 by 22 and subtract.

4. Keep dividing. Think: how many 22s are in 176?

~~7~~ × 22 = 154

8 × 22 = 176 → Try 8

~~9~~ × 22 = 198

$$\begin{array}{r} 8 \\ 20 \\ 22 \overline{)616} \\ \underline{-440} \\ 176 \\ \underline{-176} \\ 0 \end{array}$$

Multiply 8 by 22 and subtract.

5. Add the partial quotients to find the answer.

20 + 8 = 28 chairs in each row.

$$\begin{array}{r} 28 \\ \times 22 \\ \hline 560 \\ 156 \\ \hline 616 \end{array}$$

6. Use multiplication to check your answer. 28 × 22 = 616

**On the Back!**

7. Use partial quotients to divide  $936 \div 24$ . Show your work.

**Vocabulary**

1. When dividing a 3-digit number by a 2-digit number using place value, you can think of the dividend as a group of **tens** and a group of **ones**.

$$\begin{array}{r} 17 \text{ R}14 \\ 20 \overline{)354} \\ \underline{-20} \phantom{0} \\ 154 \\ \underline{-140} \\ 14 \end{array}$$

Dividend:  $354 = 3$  hundreds,  $5$  tens,  $4$  ones

**Think:** You cannot divide  $3$  by  $20$  evenly.

So, make tens and ones:  $354 = 35$  tens, 4 ones

Now you can divide  $35$  tens into  $20$  groups of ten.

$35 \text{ tens} \div 20 = 1$  ten with  $15$  tens left over.

Now divide the ones:  $154 \text{ ones} \div 20 = 7$  ones with

$14$  left over. So,  $354 \div 20 = 17 \text{ R}14$

2. Divide  $30 \overline{)517}$ .

Write the missing digits in the boxes.

**Step 1**  
Divide the tens.

$$\begin{array}{r} \boxed{1} \\ 30 \overline{)517} \\ \underline{30} \phantom{0} \end{array}$$

$51 \text{ tens} \div 30 \text{ groups}$   
 $30 \times 1 \text{ ten} = 30 \text{ tens}$

**Step 2**  
Subtract the tens.  
Bring down the ones.

$$\begin{array}{r} 1 \\ 30 \overline{)517} \\ \underline{-30} \downarrow \\ \boxed{2} \boxed{1} \boxed{7} \end{array}$$

**Step 3**  
Divide the ones.

$$\begin{array}{r} 1 \boxed{7} \\ 30 \overline{)517} \\ \underline{-30} \phantom{0} \\ 217 \\ \underline{210} \phantom{0} \end{array}$$

$217 \text{ ones} \div 30 \text{ groups}$   
 $30 \times 7 \text{ ones} = 210 \text{ ones}$

**Step 4**  
Subtract the ones.  
Write the remainder.

$$\begin{array}{r} 1 \boxed{7} \text{ R} \boxed{7} \\ 30 \overline{)517} \\ \underline{-30} \phantom{0} \\ 217 \\ \underline{-210} \\ \phantom{0} \boxed{7} \end{array}$$

The quotient of  $517 \div 30$  is 17 r 7.

**On the Back!**

3. Divide  $658 \div 50$ . Show your work.

$13 \text{ r} 8$

$$\begin{array}{r} 13 \text{ r} 8 \\ 50 \overline{)658} \\ \underline{-50} \phantom{0} \\ 158 \\ \underline{-150} \\ \phantom{0} 8 \end{array}$$