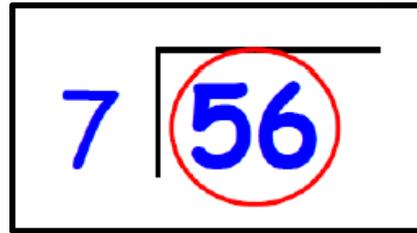


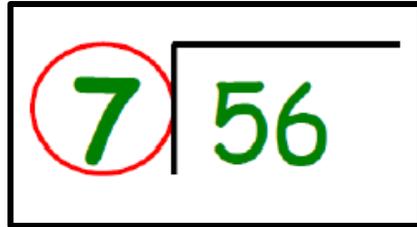
Division Skills

1. VOCABULARY

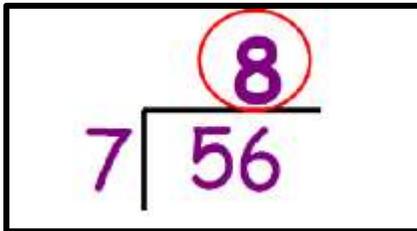
dividend – a number that is divided by another number



divisor – the number by which another number is divided



quotient – the answer to a division problem



fact family – a group of related facts that use the same numbers

Fact Family for 3, 5, 15	
$3 \times 5 = 15$	$15 \div 5 = 3$
$5 \times 3 = 15$	$15 \div 3 = 5$

2. Solve word problems involving multiplication and division.

multiplication/division

Part-Whole Bar Model

★ Maggie bought 6 boxes of pencils. Each box has 12 pencils in it. How many pencils did she buy in all?

Part-Whole

*Used for multiplication and division

*When they are given the total, they will need to divide to find the parts.

*If given the parts, they will need to multiply to find the total.

multiplication/division
Comparison Bar Model

Mr. Rocky

Mr. Smith

} 2,595

Mr. Rocky and Mr. Smith have \$2,595 altogether. Mr. Rocky's share is twice as much as Mr. Smith's. How much is Mr. Smith's share?

Comparison

*Used in multiplication and division

*When they are given the total, they will need to divide to find the parts (it may also include subtraction).

*When they are given the parts, they will need to multiply to find the total.

3. Divide up to a 4-digit number by a 1-digit number with remainders.

$$\begin{array}{r}
 \boxed{2} \boxed{9} \boxed{8} \text{ r } \boxed{1} \\
 \boxed{3} \overline{) \boxed{8} \boxed{9} \boxed{5}} \\
 \underline{- \boxed{6}} \\
 \boxed{2} \boxed{9} \\
 \underline{- \boxed{2} \boxed{7}} \\
 \boxed{2} \boxed{5} \\
 \underline{- \boxed{2} \boxed{4}} \\
 \boxed{1}
 \end{array}$$

1. Think how many times does 3 go into 8.
*Since it is 2, you put that above the 8.
2. Multiply. $2 \times 3 = 6$
3. Subtract. $8 - 6 = 2$
4. Bring down the 9 in the tens place.
5. Think how many times does 3 go into 29.
*Since it is 9, you put that above the 9.
6. Multiply. $9 \times 3 = 27$
7. Subtract. $29 - 27 = 2$
8. Bring down the 9 in the ones place.
9. Think how many times does 3 go into 25.
*Since it is 8, you put that above the 5.
10. Multiply. $8 \times 3 = 24$
11. Subtract $25 - 24 = 1$ (this is the remainder)

4. Use multiplication to check the work on a division problem.

$$\begin{array}{r}
 26 \text{ r } 4 \\
 7 \overline{) 186}
 \end{array}$$

CHECK

1. Multiply the quotient times the divisor
2. Then add the remainder
3. The answer should be the **dividend**.

$$\begin{aligned}
 (26 \times 7) + 4 &= 186 \\
 (182) + 4 &= 186 \\
 186 &= 186
 \end{aligned}$$

***These are the basic understandings that your child should be learning in Chapter 3B. However, they will need to apply these skills to more challenging problems, as well as in word problems.*