

3.OA.6 Parent Helper

I CAN FIND THE ANSWER TO A DIVISION PROBLEM BY THINKING OF THE MISSING FACTOR IN A MULTIPLICATION PROBLEM.

Your child is learning to use multiplication fact families to help solve division problems.

Sample Problems:

Write a fact family that uses the numbers 4, 8, and 32.

What multiplication equation will help you solve the division fact $32 \div 8 = \text{☺}$ ($8 \times 4 = 32$)

Vocabulary Terms:

Fact Family

Unknown factor

Multiplication Equation

Division Equation

Need more resources?

For more help with understanding the different properties of multiplication and division visit www.learnzillion.com and search standard "3.oa.6."

Visit www.xtramath.org to have your child practice their math fact fluency. Practice multiplication flash cards.

Helping my child:

This standard is all about using multiplication to make division easier. Help your child understand this while looking at how the numbers of a fact family are related. Give your child three numbers, for example, 4, 8 and 32.

Together, figure out the two multiplication equations you can make with those numbers, and the two division equations you can make. Then give your child only two numbers and discuss solving to figure out the missing third number. For example, 3 and 15. Help your child figure out that the missing number in the fact family is 5. Then write this out as equations where you put a symbol (such as a smiley face) in the place of the missing number.

Challenging my child:

Is this standard easy for your child? Have your child write as many division equations as they can where the answer is 7. Then have them list the multiplication facts that can help solve each division equation.

Have your child write their reasoning behind using a multiplication equation to help solve for a missing number in a division equation.