

Name: _____ Date: _____



NVACS: Operations and Algebraic Thinking (3.OA.1)

Practice for 3rd Graders

Interpret products of whole numbers

In Third Grade, students understand that multiplication is a way to determine the total number of objects when there are a specific number of groups with the same number of objects in each group. Students learn that the multiplication symbol 'x' means "groups of" and problems such as 6×8 refer to 6 groups of 8. For example:

Mark purchased 4 packages of cupcakes. Each package contained 6 cupcakes. How many cupcakes did Mark purchase? 4 groups of 6, $4 \times 6 = 24$. Describe another situation where there would be 4 groups of 6 or 4×6 .

Michelle earns \$9 a week for trimming bushes. After 3 weeks of work, how much has Michelle worked? Write an equation and find the answer.

Find another equation whose solution would match 9×3 .

Ashton is going to charge \$6 a week to cut his neighbors grass. He cut the grass for 4 weeks.

How much money has he earned?

Describe another way that 24 could be placed into equal shared groups.

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$$\triangle \times \bigcirc = 24$$

What values could the unknowns  and  have?

$$\hexagon \times \square = 72$$

What values could the unknowns  and  have?

$$a \times a = 36$$

What values could the unknown 'a' have?

$$a \times b = 18$$

What values could the unknown 'a' and 'b' have?

$$5 \times 7 = \square$$

$$12 \times 3 = \square$$

$$3 \times 8 = \square$$

$$4 \times 4 = \square$$

$$2 \times 6 = \square$$

$$10 \times 8 = \square$$