

# Subtracting a Group

## Home Link 3-12

NAME \_\_\_\_\_

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**Family Note** Today your child learned the subtracting-a-group strategy for solving multiplication facts. Children subtracted groups from 5s and 10s helper facts to solve other facts. For example, to solve  $4 \times 6$ , they might start with  $5 \times 6 = 30$  and subtract a group of 6:  $30 - 6 = 24$ , so  $4 \times 6 = 24$ . Continue to help your child practice multiplication with the included Fact Triangles.

*Please return this Home Link to school tomorrow.*

- ① Use  $10 \times 4$  and the array below to help figure out  $9 \times 4$ .



$$9 \times 4 = ?$$

Helper fact:  $10 \times 4 = 40$

x	x	x	x
x	x	x	x
x	x	x	x
x	x	x	x
x	x	x	x
x	x	x	x
x	x	x	x
x	x	x	x
x	x	x	x
x	x	x	x

- Draw on the array above to show how to use  $10 \times 4$  to figure out  $9 \times 4$ .
- Solve.  $9 \times 4 =$  \_\_\_\_\_
- How did knowing  $10 \times 4$  help you figure out  $9 \times 4$ ?

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## Practice

- $9 \times 10 =$  \_\_\_\_\_
- $9 \times 5 =$  \_\_\_\_\_
- \_\_\_\_\_ =  $8 \times 5$
- \_\_\_\_\_ =  $8 \times 10$

# $\times, \div$ Fact Triangles: 3s and 9s

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The large triangle is divided into four smaller triangles. Each small triangle contains the following facts:

- Top-left triangle:** 3, 9, 3, 6, 3, 3,  $\times, \div$
- Top-right triangle:** 18, 21, 12,  $\times, \div$ , 7, 3,  $\times, \div$
- Bottom-left triangle:** 8, 24, 27, 9, 8, 9,  $\times, \div$
- Bottom-right triangle:** 4, 36, 9, 4, 8, 8,  $\times, \div$