

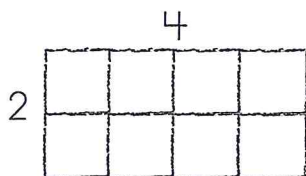
NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Arrays & Factors page 1 of 2

- 1 Draw and label a rectangular array to show two factors for each number. Do not use 1 as a factor. Then write the fact family that goes with each array that you draw.

**ex** 8

$$\underline{2} \times \underline{4} = \underline{8}$$

$$\underline{4} \times \underline{2} = \underline{8}$$

$$\underline{8} \div \underline{4} = \underline{2}$$

$$\underline{8} \div \underline{2} = \underline{4}$$

**a** 16

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

**b** 18

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

- 2 List all the factors of each number below.

<b>ex</b> 12		<b>a</b> 16	
<b>b</b> 17		<b>c</b> 24	
<b>d</b> 9		<b>e</b> 36	

- 3 Circle the prime number(s) in problem 2.

- a** Draw a square around the square number(s) in problem 2.

(continued on next page)

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## Arrays & Factors page 2 of 2

- 4 Is the number 25 prime or composite? How do you know?
- 5 Judy has a collection of 30 stamps. She can divide the stamps into 2 equal groups of 15 stamps. What are two other ways she could divide the stamps into equal groups?
- 6 **CHALLENGE** Judy's brother Sam has a collection of 96 comic books. What are the five ways Sam could divide his comic books into equal groups?