

3.OA.B.4 Fact Families

3.OA.B.4: Find all factor pairs for a whole number in the range 1-100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1-100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1-100 is prime or composite.

Complete each fact family.

6 7
42

___	×	___	=	___
___	×	___	=	___
___	÷	___	=	___
___	÷	___	=	___

7 4
28

___	×	___	=	___
___	×	___	=	___
___	÷	___	=	___
___	÷	___	=	___

5 9
45

___	×	___	=	___
___	×	___	=	___
___	÷	___	=	___
___	÷	___	=	___

6 11
66

___	×	___	=	___
___	×	___	=	___
___	÷	___	=	___
___	÷	___	=	___

12 3
36

___	×	___	=	___
___	×	___	=	___
___	÷	___	=	___
___	÷	___	=	___

9 9
81

___	×	___	=	___
___	×	___	=	___
___	÷	___	=	___
___	÷	___	=	___

Which number sentence does not belong in the same fact family as $6 \times 4 = 24$? _____

- A. $4 \times 6 = 24$
- B. $30 \div 2 = 15$
- C. $24 \div 6 = 4$
- D. $24 \div 4 = 6$

3.OA.B.4 Fact Families

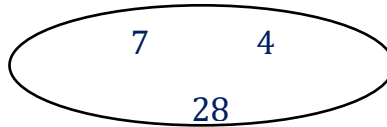
Answer Key

3.OA.B.4: Find all factor pairs for a whole number in the range 1-100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1-100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1-100 is prime or composite.

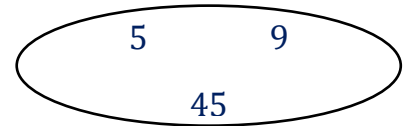
Complete each fact family.



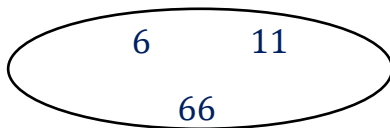
$$\begin{array}{l} \underline{6} \times \underline{7} = \underline{42} \\ \underline{7} \times \underline{6} = \underline{42} \\ \underline{42} \div \underline{6} = \underline{7} \\ \underline{42} \div \underline{7} = \underline{6} \end{array}$$



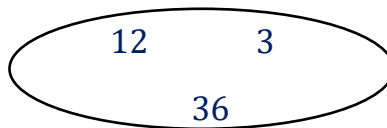
$$\begin{array}{l} \underline{4} \times \underline{7} = \underline{28} \\ \underline{7} \times \underline{4} = \underline{28} \\ \underline{28} \div \underline{7} = \underline{4} \\ \underline{28} \div \underline{4} = \underline{7} \end{array}$$



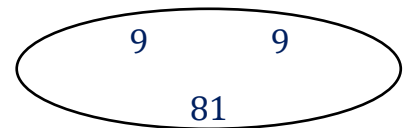
$$\begin{array}{l} \underline{5} \times \underline{9} = \underline{45} \\ \underline{9} \times \underline{5} = \underline{45} \\ \underline{45} \div \underline{9} = \underline{5} \\ \underline{45} \div \underline{5} = \underline{9} \end{array}$$



$$\begin{array}{l} \underline{6} \times \underline{11} = \underline{66} \\ \underline{11} \times \underline{6} = \underline{66} \\ \underline{66} \div \underline{11} = \underline{6} \\ \underline{66} \div \underline{6} = \underline{11} \end{array}$$



$$\begin{array}{l} \underline{3} \times \underline{12} = \underline{36} \\ \underline{12} \times \underline{3} = \underline{36} \\ \underline{36} \div \underline{12} = \underline{3} \\ \underline{36} \div \underline{3} = \underline{12} \end{array}$$



$$\begin{array}{l} \underline{9} \times \underline{9} = \underline{81} \\ \underline{9} \times \underline{9} = \underline{81} \\ \underline{81} \div \underline{9} = \underline{9} \\ \underline{81} \div \underline{9} = \underline{9} \end{array}$$

Which number sentence does not belong in the same fact family as $6 \times 4 = 24$? **B.**

- A. $4 \times 6 = 24$
- B. $30 \div 2 = 15$
- C. $24 \div 6 = 4$
- D. $24 \div 4 = 6$