Multiplication and Division: Which One Doesn't Belong?

Directions: Determine which number does not belong. Then complete the sentence frames to explain your thinking.

1.

15	3	9	5

Explanation: The three numbers __3__, __5__, __15__ belong together because __the three numbers__

__can create multiplication equations (3 x 5 = 15, 5 x 3 = 15) and division equations (15 ÷ 3 = 5, 15 ÷ 5 = 3)__,

but the number __9__ does not belong because __it does not form a multiplication or division equation__

__with the other numbers__.

2.

4	3	16	12

Explanation: The three numbers __4__, __3__, __12__ belong together because __the three numbers__

__can create multiplication equations (3 x 4 = 12, 4 x 3 = 12) and division equations (12 ÷ 3 = 4, 12 ÷ 4 = 3)__,

but the number __16__ does not belong because __it does not form a multiplication or division equation__

__with the other numbers__.

3.

4	32	12	8

Explanation: The three numbers __4__, __8__, __32__ belong together because __the three numbers__

__can create multiplication equations (4 x 8 = 32, 8 x 4 = 32) and division equations (32 ÷ 8 = 4, 32 ÷ 4 = 8)__,

but the number __12__ does not belong because __it does not form a multiplication or division equation__

__with the other numbers__.

Name _____   Date _____

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4.

42	2	6	7

Explanation: The three numbers __7__, __42__, __6__ belong together because _the three numbers_

can create multiplication equations (7 x 6 = 42, 6 x 7 = 42) and division equations (42 ÷ 6 = 7, 42 ÷ 7 = 6),

but the number __2__ does not belong because _it does not form a multiplication or division equation_

with the other numbers .

5.

6	4	16	24

Explanation: The three numbers __6__, __4__, __24__ belong together because _the three numbers_

can create multiplication equations (6 x 4 = 24, 4 x 6 = 24) and division equations (24 ÷ 4 = 6, 24 ÷ 6 = 4),

but the number __16__ does not belong because _it does not form a multiplication or division equation_

with the other numbers .

6.

5	30	6	36

Explanation: The three numbers __5__, __30__, __6__ belong together because _the three numbers_

can create multiplication equations (5 x 6 = 30, 6 x 5 = 30) and division equations (30 ÷ 6 = 5, 30 ÷ 5 = 6),

but the number __36__ does not belong because _it does not form a multiplication or division equation_

with the other numbers .