

Challenge

Find Equal Groups

Each number in the box below represents a group of objects. For example, the three 2s in the box show that there are 3 groups of 2 objects each. You can write the multiplication equation $3 \times 2 = 6$ to show that 3 groups of 2 equals 6 in all. You can also write the division equation $6 \div 2 = 3$ to show that 6 divided into groups of 2 equals 3 groups.

Find how many groups of 3, 4, 5, 6, 7, 8, 9, and 10 there are in the box. Then write a multiplication equation and a division equation for each number.

8	2	4	5	5	6	7	3	10	9	7	8	6	7	4	5	9	6	
6	7	4	7	3	5	6	4	9	2	8	6	5	8	4	9	8	5	7
10	6	7	4	9	6	5	3	7	7	4	5	2	6	8	7	3	10	

1. _____ groups of 3

2. _____ groups of 4

3. _____ groups of 5

4. _____ groups of 6

5. _____ groups of 7

6. _____ groups of 8

7. _____ groups of 9

8. _____ groups of 10

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6	7	4	7	3	5	6	4	9	2	8	6	5	8	4	9	8	5	7
10	6	7	4	9	6	5	3	7	7	4	5	2	6	8	7	3	10	

1. 4 groups of 3

$$4 \times 3 = 12$$

$$12 \div 3 = 4$$

2. 7 groups of 4

$$7 \times 4 = 28$$

$$28 \div 4 = 7$$

3. 8 groups of 5

$$8 \times 5 = 40$$

$$40 \div 5 = 8$$

4. 9 groups of 6

$$9 \times 6 = 54$$

$$54 \div 6 = 9$$

5. 10 groups of 7

$$10 \times 7 = 70$$

$$70 \div 7 = 10$$

6. 6 groups of 8

$$6 \times 8 = 48$$

$$48 \div 8 = 6$$

7. 5 groups of 9

$$5 \times 9 = 45$$

$$45 \div 9 = 5$$

8. 3 groups of 10

$$3 \times 10 = 30$$

$$30 \div 10 = 3$$