Arrays and repeated addition worksheet

2nd grade math · Operations & Algebraic Thinking · 2.OA.C.4

Name _____ Date _____

For grown-ups: 12 arrays and repeated addition problems, easier ones first. Let your child try each one alone, then check together with the answer key on page 2. Circle one answer where there are choices.

1. **How many in all? 3 rows of 2.**



Answer: _____

2. **Which addition sentence matches the array?**



○ **3 + 3 + 3 + 3** ○ **3 + 3 + 3**
○ **4 + 4 + 4**

3. **How many in all? 2 rows of 5.**



Answer: _____

4. **How many in all? 3 rows of 4.**



Answer: _____

5. **How many in all? 2 rows of 2.**



Answer: _____

6. **How many in all? 4 rows of 3.**



Answer: _____

7. **Which addition sentence matches the array?**



○ **2 + 2 + 2 + 2** ○ **3 + 3 + 3**
○ **4 + 4** ○ **2 + 2 + 2**

8. **Which addition sentence matches the array?**



○ **3 + 3 + 3 + 3** ○ **2 + 2 + 2 + 2**
○ **2 + 2 + 2 + 2 + 2** ○ **5 + 5**

9. **Which addition sentence matches the array?**



○ **2 + 2 + 2** ○ **2 + 2** ○ **3 + 3**

10. **How many in all? 3 rows of 3.**



Answer: _____

11. **How many in all? 4 rows of 4.**



Answer: _____

12. **Which addition sentence matches the array?**



○ **4 + 4 + 4** ○ **4 + 4 + 4 + 4**
○ **5 + 5 + 5**

Answer key: Arrays and repeated addition

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1. **6**
   2 + 2 + 2 = 6. That is 3 × 2.
2. **3 + 3 + 3**
   There are 3 rows with 3 in each: 3 + 3 + 3.
3. **10**
   5 + 5 = 10. That is 2 × 5.
4. **12**
   4 + 4 + 4 = 12. That is 3 × 4.
5. **4**
   2 + 2 = 4. That is 2 × 2.
6. **12**
   3 + 3 + 3 + 3 = 12. That is 4 × 3.
7. **2 + 2 + 2**
   There are 3 rows with 2 in each: 2 + 2 + 2.
8. **2 + 2 + 2 + 2**
   There are 4 rows with 2 in each: 2 + 2 + 2 + 2.
9. **2 + 2**
   There are 2 rows with 2 in each: 2 + 2.
10. **9**
    3 + 3 + 3 = 9. That is 3 × 3.
11. **16**
    4 + 4 + 4 + 4 = 16. That is 4 × 4.
12. **4 + 4 + 4**
    There are 3 rows with 4 in each: 4 + 4 + 4.