Multiplication Sentences and Arrays

Grade 3

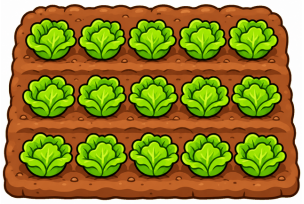
Name _____ Date _____

Remember: Add each **row**, then write it as multiplication: 5 + 5 + 5 = 15 → **3 × 5 = 15**.

Each row is one group.

1. Use the pictures

Look at the picture. Fill in the blanks.



1.



Add the rows: ____ + ____ + ... = ____

Multiply: ____ × ____ = ____

2.



Add the rows: ____ + ____ + ... = ____

Multiply: ____ × ____ = ____

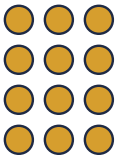
3.



Add the rows: ____ + ____ + ... = ____

Multiply: ____ × ____ = ____

4.



Add the rows: ____ + ____ + ... = ____

Multiply: ____ × ____ = ____

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2. More practice

Fill in the blank.

1. 6 × 4 = _____
2. 5 × 4 = _____
3. 2 × 2 = _____
4. 3 × 4 = _____
5. 3 × 5 = _____
6. 3 × 2 = _____

3. Word problems

Solve. Show your work.

1. **Write an addition sentence and a multiplication sentence for 4 rows of 5.**

2. **Why is multiplication faster than adding?**

Answer Key

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1. Use the pictures

1.



Add the rows: **4** + **4** + ... = **16**

Multiply: **4** × **4** = **16**

2.



Add the rows: **2** + **2** + ... = **6**

Multiply: **3** × **2** = **6**

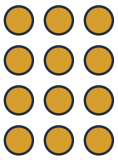
3.



Add the rows: **4** + **4** + ... = **8**

Multiply: **2** × **4** = **8**

4.



Add the rows: **3** + **3** + ... = **12**

Multiply: **4** × **3** = **12**

2. More practice

1. 6 × 4 = **24**
2. 5 × 4 = **20**
3. 2 × 2 = **4**
4. 3 × 4 = **12**
5. 3 × 5 = **15**
6. 3 × 2 = **6**

3. Word problems

Answers.

1. **Write an addition sentence and a multiplication sentence for 4 rows of 5.**
   5 + 5 + 5 + 5 = 20 and 4 × 5 = 20
2. **Why is multiplication faster than adding?**
   Because you don't have to add the same number many times.