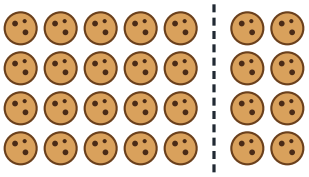
Break Apart a Fact

Name: _____

Multiply each part, then add. Both parts keep the same number of rows.

1. Four trays hold 7 cookies each. Split each row of 7 into 5 + 2.

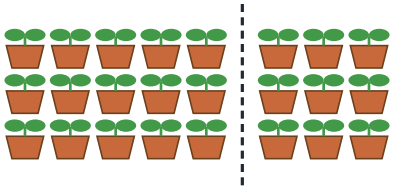


4 × 5 = _____

4 × 2 = _____

_____ + _____ = _____ cookies

2. Three rows have 8 seedlings each. Split each row of 8 into 5 + 3.



3 × 5 = _____

3 × 3 = _____

Total: _____ seedlings

3. Fill in the missing part. Then find the total.

6 × 9 = (6 × 5) + (6 × ____)

6 × 9 = 30 + _____ = _____

4. Find and fix the mistake.

A student wrote: 4 × 7 = 4 × 5 + 2 = 22

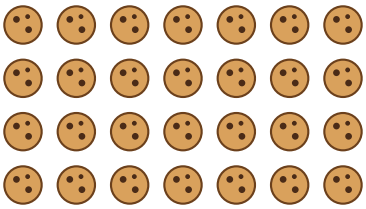
What went wrong?

_____

_____

Fix it: 4 × 5 = 20 4 × 2 = _____ 20 + _____ = _____

5. Split 4 × 7 a different way (not 5 + 2). Draw your split line.



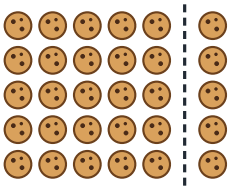
7 = _____ + _____

4 × _____ = _____

4 × _____ = _____

_____ + _____ = 28

6. Five trays hold 6 cookies each. Split each row of 6 into 5 + 1.



5 × 5 = _____

5 × 1 = _____

_____ + _____ = _____ cookies

Answer Key: Break Apart a Fact

Check the two products first, then the total.

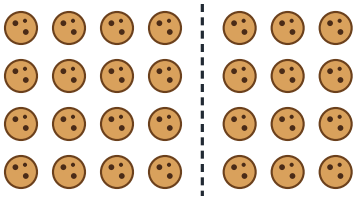
1. 4 × 5 = 20 4 × 2 = 8 20 + 8 = 28 cookies

2. 3 × 5 = 15 3 × 3 = 9 15 + 9 = 24 seedlings

3. The missing part is 4, because 9 = 5 + 4.
6 × 5 = 30 6 × 4 = 24 30 + 24 = 54, so 6 × 9 = 54

4. The 4 multiplied only the 5. Each of the 4 trays needs 2 more cookies, so add 4 × 2 = 8, not 2. Fixed: 20 + 8 = 28

5. Any split works if the parts add to 7. Example: 7 = 4 + 3
4 × 4 = 16 4 × 3 = 12 16 + 12 = 28
Other splits: 6 + 1 gives 24 + 4 = 28. 3 + 4 gives 12 + 16 = 28.



6. 5 × 5 = 25 5 × 1 = 5 25 + 5 = 30 cookies