



Stuck? Scan
for the anchor
chart

EQUAL GROUPS, ARRAYS & FACTS • GRADE 3

Multiplication Within 100

Name _____ Date _____

Correct _____ / 12

1 Concrete - build it with objects and drawings

1. Draw **3 groups of 4** counters. How many counters in all?

In all: _____

2. There are 5 bags. Each holds 3 apples. Draw them, then write an equation.

Equation: _____

2 Representational - arrays, number lines, models

3. Complete the array for 4×6 , then write the product.

$4 \times 6 =$ _____

4. Skip-count on the number line to solve 3×5 .

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

$3 \times 5 =$ _____

3 Abstract - just the numbers, from memory

5. $6 \times 4 =$ _____

6. $3 \times 7 =$ _____

7. $8 \times 5 =$ _____

8. $9 \times 2 =$ _____

Find the missing factor.

9. _____ $\times 8 = 24$

10. $6 \times$ _____ $= 42$

11. _____ $\times 5 = 45$

12. $4 \times$ _____ $= 28$



EQUAL GROUPS, ARRAYS & FACTS · GRADE 3

Multiplication Within 100

1 Concrete

1. Draw **3 groups of 4** counters. How many counters in all?



In all: 12 ($3 \times 4 = 12$)

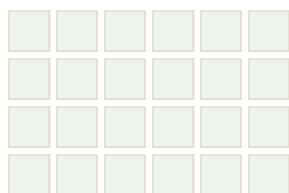
2. There are 5 bags. Each holds 3 apples. Draw them, then write an equation.



Equation: $5 \times 3 = 15$

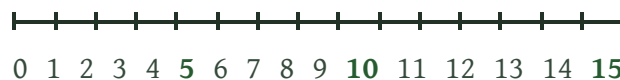
2 Representational

3. Complete the array for 4×6 , then write the product.



$4 \times 6 =$ 24

4. Skip-count on the number line to solve 3×5 .



$3 \times 5 =$ 15

3 Abstract

5. $6 \times 4 =$ 24

6. $3 \times 7 =$ 21

7. $8 \times 5 =$ 40

8. $9 \times 2 =$ 18

Find the missing factor.

9. 3 $\times 8 = 24$

10. $6 \times$ 7 $= 42$

11. 9 $\times 5 = 45$

12. $4 \times$ 7 $= 28$

Watch for students who skip the concrete step and jump to memorized facts - a shaky array in problem 3 usually means the equal-groups idea hasn't set yet. Send them back to the counters before the fact grid.