MATH - MULTIPLICATION

Multiplication as Repeated Addition

Equal groups, arrays and skip counting before the tables



4 + 4 + 4 = 12

3 × 4 = 12

Times means groups of. This book builds that idea before any table is learned by heart.

Sheets 1-4 write equal groups as an addition, 5-8 as groups of and a times fact, 9-12 use arrays of rows and columns, 13-14 skip count on a number line, and 15-16 ask the child to draw the groups for a fact. Every total is 30 or less.

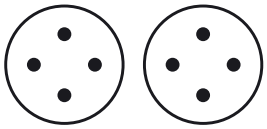
Sixteen sheets. Answers at the back.

A4 - black ink only - class 1 and 2, ages 6-8

Name _____ Date _____

Add the equal groups

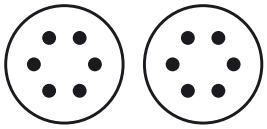
Count one group, then add it again for every circle.



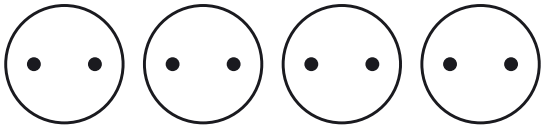
4 + 4 = ☐



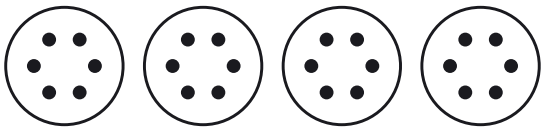
6 + 6 + 6 + 6 + 6 = ☐



6 + 6 = ☐



2 + 2 + 2 + 2 = ☐

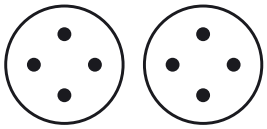


6 + 6 + 6 + 6 = ☐

Name _____ Date _____

Add the equal groups

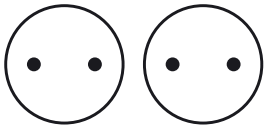
Count one group, then add it again for every circle.



4 + 4 = ☐



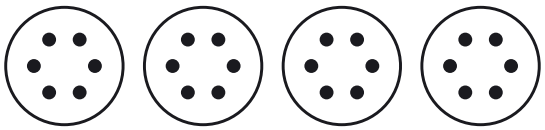
5 + 5 + 5 + 5 + 5 = ☐



2 + 2 = ☐



2 + 2 + 2 = ☐

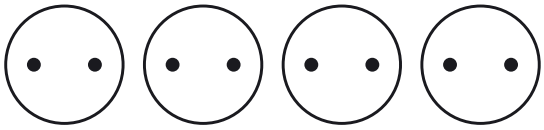


6 + 6 + 6 + 6 = ☐

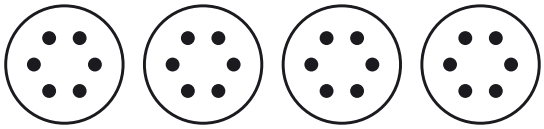
Name _____ Date _____

Add the equal groups

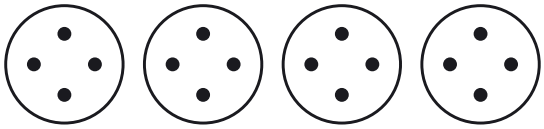
Count one group, then add it again for every circle.



2 + 2 + 2 + 2 = ☐



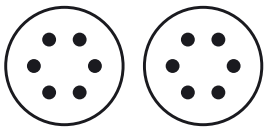
6 + 6 + 6 + 6 = ☐



4 + 4 + 4 + 4 = ☐



3 + 3 + 3 = ☐



6 + 6 = ☐

Name _____ Date _____

Add the equal groups

Count one group, then add it again for every circle.



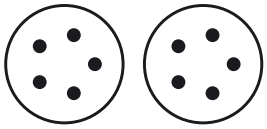
5 + 5 + 5 = ☐



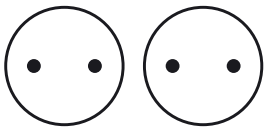
4 + 4 + 4 = ☐



5 + 5 + 5 + 5 + 5 = ☐



5 + 5 = ☐

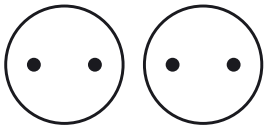


2 + 2 = ☐

Name _____ Date _____

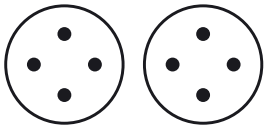
Groups of, and times

3 groups of 4 is 3 × 4.



☐ groups of ☐

☐ × ☐ = ☐



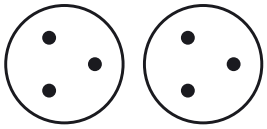
☐ groups of ☐

☐ × ☐ = ☐



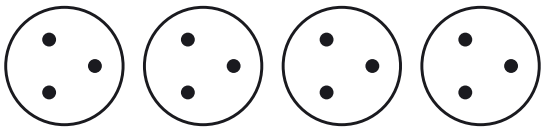
☐ groups of ☐

☐ × ☐ = ☐



☐ groups of ☐

☐ × ☐ = ☐



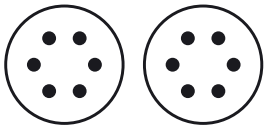
☐ groups of ☐

☐ × ☐ = ☐

Name _____ Date _____

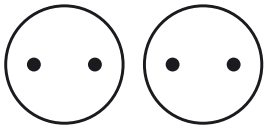
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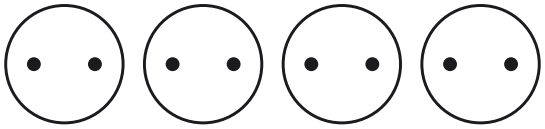
☐ groups of ☐

☐ × ☐ = ☐



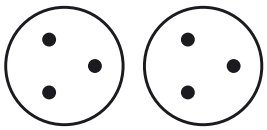
☐ groups of ☐

☐ × ☐ = ☐



☐ groups of ☐

☐ × ☐ = ☐



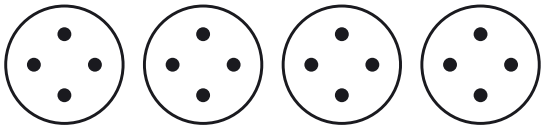
☐ groups of ☐

☐ × ☐ = ☐

Name _____ Date _____

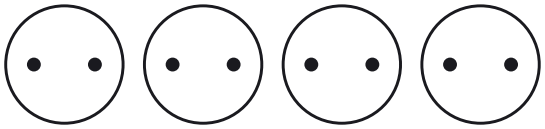
Groups of, and times

3 groups of 4 is 3 × 4.



☐ groups of ☐

☐ × ☐ = ☐



☐ groups of ☐

☐ × ☐ = ☐



☐ groups of ☐

☐ × ☐ = ☐



☐ groups of ☐

☐ × ☐ = ☐



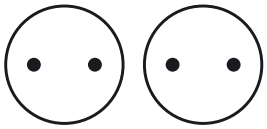
☐ groups of ☐

☐ × ☐ = ☐

Name _____ Date _____

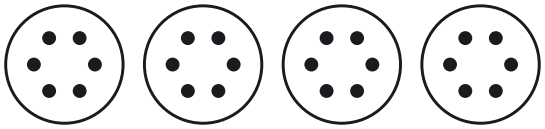
Groups of, and times

3 groups of 4 is 3 × 4.



☐ groups of ☐

☐ × ☐ = ☐



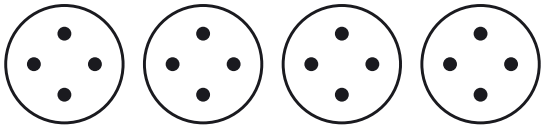
☐ groups of ☐

☐ × ☐ = ☐



☐ groups of ☐

☐ × ☐ = ☐



☐ groups of ☐

☐ × ☐ = ☐



☐ groups of ☐

☐ × ☐ = ☐

Name _____ Date _____

Arrays: rows times columns

Count the rows, count the dots in one row, then multiply.



☐ rows of ☐ = ☐



☐ rows of ☐ = ☐



☐ rows of ☐ = ☐



☐ rows of ☐ = ☐



☐ rows of ☐ = ☐

Name _____ Date _____

Arrays: rows times columns

Count the rows, count the dots in one row, then multiply.



☐ rows of ☐ = ☐



☐ rows of ☐ = ☐



☐ rows of ☐ = ☐



☐ rows of ☐ = ☐



☐ rows of ☐ = ☐

Name _____ Date _____

Arrays: rows times columns

Count the rows, count the dots in one row, then multiply.



☐ rows of ☐ = ☐ Turned: ☐ × ☐



☐ rows of ☐ = ☐ Turned: ☐ × ☐



☐ rows of ☐ = ☐ Turned: ☐ × ☐



☐ rows of ☐ = ☐ Turned: ☐ × ☐

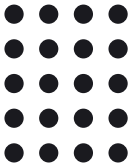


☐ rows of ☐ = ☐ Turned: ☐ × ☐

Name _____ Date _____

Arrays: rows times columns

Count the rows, count the dots in one row, then multiply.



☐ rows of ☐ = ☐ Turned: ☐ × ☐



☐ rows of ☐ = ☐ Turned: ☐ × ☐



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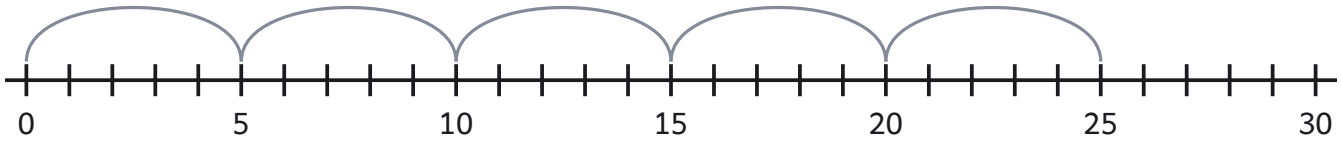
☐ rows of ☐ = ☐ Turned: ☐ × ☐

 Name _____ Date _____

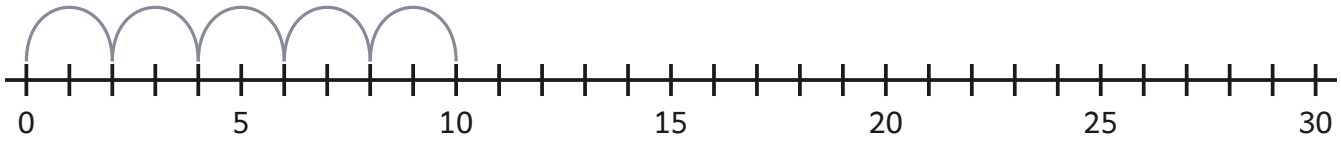
Skip count on the number line

Jump the same size each time. The number of jumps is how many groups.

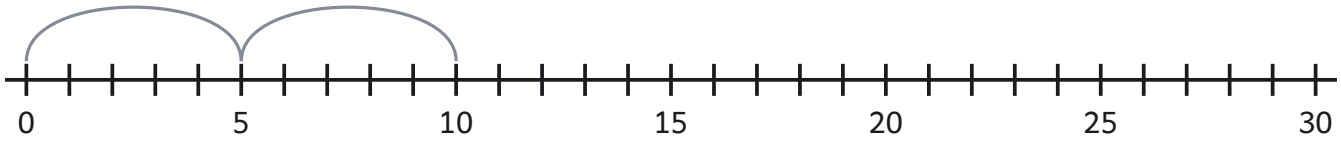
☐ jumps of ☐ = ☐



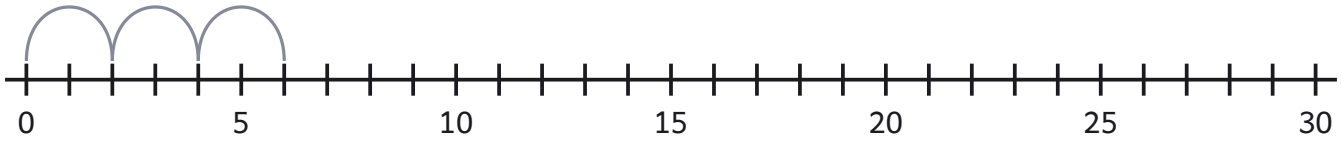
☐ jumps of ☐ = ☐



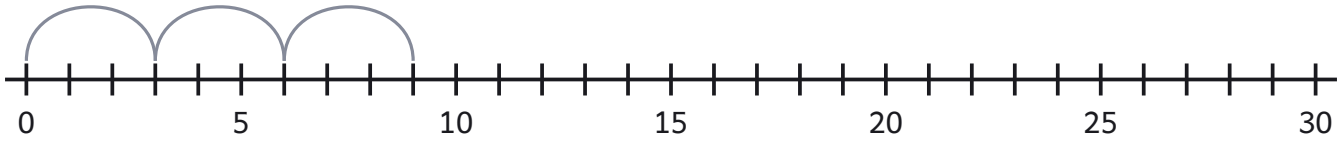
☐ jumps of ☐ = ☐



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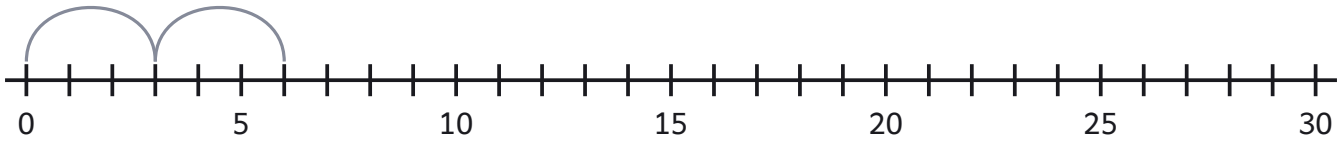
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 Name _____ Date _____

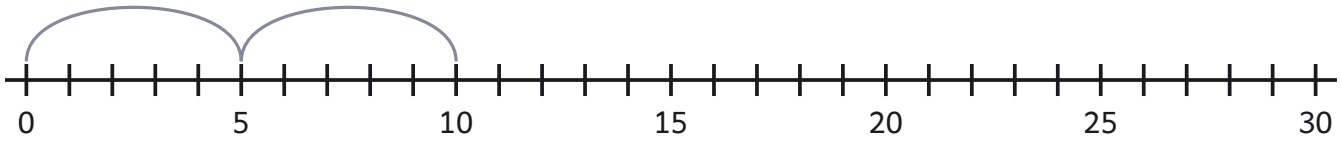
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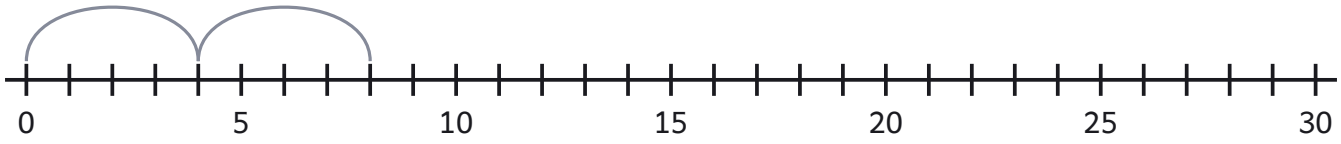
☐ jumps of ☐ = ☐



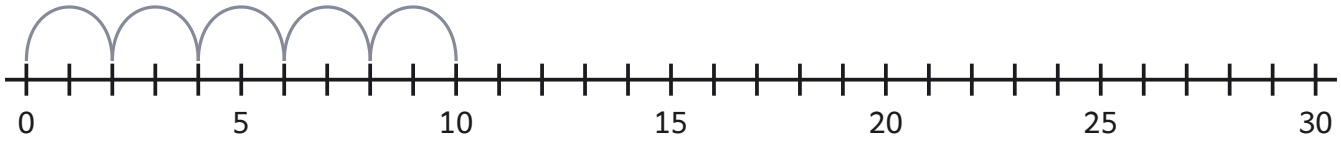
☐ jumps of ☐ = ☐



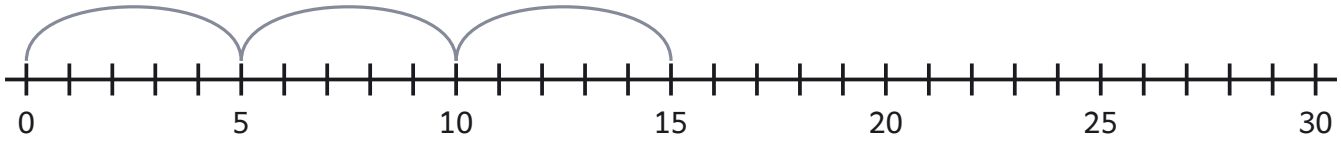
☐ jumps of ☐ = ☐



☐ jumps of ☐ = ☐



☐ jumps of ☐ = ☐



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 Name _____ Date _____

Draw the groups

Draw one circle for each group, then put the dots in each circle.

2 × 3 =

5 × 5 =

5 × 2 =

5 × 6 =

4 × 4 =

 Name _____ Date _____

Draw the groups

Draw one circle for each group, then put the dots in each circle.

5 × 4 =

3 × 6 =

5 × 5 =

4 × 5 =

5 × 6 =

ANSWERS

Multiplication as Repeated Addition

For the grown-up.

Sheet 1: 8 30 12 8 24

Sheet 2: 8 25 4 6 24

Sheet 3: 8 24 16 9 12

Sheet 4: 15 12 25 10 4

Sheet 5: 2x2=4 2x4=8 5x4=20 2x3=6 4x3=12

Sheet 6: 2x6=12 2x2=4 3x6=18 4x2=8 2x3=6

Sheet 7: 4x4=16 4x2=8 3x5=15 5x2=10 3x6=18

Sheet 8: 2x2=4 4x6=24 5x6=30 4x4=16 5x3=15

Sheet 9: 2x2=4 2x6=12 5x3=15 4x6=24 2x3=6

Sheet 10: 5x2=10 2x5=10 4x2=8 3x4=12 2x2=4

Sheet 11: 4x6=24, 6x4 2x5=10, 5x2 3x6=18, 6x3 2x4=8, 4x2 4x2=8, 2x4

Sheet 12: 5x4=20, 4x5 4x4=16, 4x4 3x6=18, 6x3 2x2=4, 2x2 5x5=25, 5x5

Sheet 13: 5 jumps of 5 = 25 5 jumps of 2 = 10 2 jumps of 5 = 10 3 jumps of 2 = 6 3 jumps of 3 = 9

Sheet 14: 2 jumps of 3 = 6 2 jumps of 5 = 10 2 jumps of 4 = 8 5 jumps of 2 = 10 3 jumps of 5 = 15

Sheet 15: 6 25 10 30 16

Sheet 16: 20 18 25 20 30