

# Summer Math Assignment for Incoming Fourth Graders

\*\*\*You will find these categories under the third grade math section for Math IXL.

\*\*\*As your student completes each section please initial beside it. Please sign at the bottom to confirm that your student has finished this assignment.

## Addition

C.1 Add two numbers up to three digits

C.2 Addition input/output tables - up to three digits

C.3 Add two numbers up to three digits - word problems

C.4 Complete the addition sentence - up to three digits

C.5 Balance addition equations - up to three digits

C.6 Add three numbers up to three digits each

C.7 Add three numbers up to three digits each: word problems

C.8 Addition patterns over increasing place values

C.9 Add two numbers with four or more digits

C.10 Addition input/output tables - four or more digits

C.11 Add two numbers with four or more digits - word problems

C.12 Complete the addition sentence - four or more digits

C.13 Balance equations - four or more digits

C.14 Add three or more numbers with four or more digits

C.15 Add three or more numbers with four or more digits - word problems

C.16 Addition: fill in the missing digits

## Subtraction

D.1 Subtract numbers up to three digits

D.2 Subtraction input/output tables - up to three digits

D.3 Subtract numbers up to three digits - word problems

D.4 Complete the subtraction sentence - up to three digits

D.5 Balance subtraction equations - up to three digits

D.6 Subtraction patterns over increasing place values

D.7 Subtract numbers with four or more digits

D.8 Subtraction input/output tables - four or more digits

D.9 Subtraction: fill in the missing digits

## **Understand multiplication**

E.1 Count equal groups

E.2 Identify multiplication expressions for equal groups

E.3 Write multiplication sentences for equal groups

E.4 Relate addition and multiplication for equal groups

E.5 Identify multiplication expressions for arrays

E.6 Write multiplication sentences for arrays

E.7 Make arrays to model multiplication

E.8 Write multiplication sentences for number lines

## **Multiplication skill builders**

F.1 Multiply by 0

F.2 Multiply by 1

F.3 Multiply by 2

F.4 Multiply by 3

F.5 Multiply by 4

F.6 Multiply by 5

F.7 Multiply by 6

F.8 Multiply by 7

F.9 Multiply by 8

F.10 Multiply by 9

F.11 Multiply by 10

F.12 Multiply by 11

F.13 Multiply by 12

# Multiplication fluency

G.1 Multiplication tables for 2, 3, 4, 5, and 10

G.2 Multiplication facts for 2, 3, 4, 5, and 10: true or false?

G.3 Multiplication facts for 2, 3, 4, 5, and 10: sorting

G.4 Multiplication facts for 2, 3, 4, 5, and 10: find the missing factor

G.5 Multiplication tables for 6, 7, 8, and 9

G.6 Multiplication facts for 6, 7, 8, and 9: true or false?

G.7 Multiplication facts for 6, 7, 8, and 9: sorting

G.8 Multiplication facts for 6, 7, 8, and 9: find the missing factor

G.9 Multiplication tables up to 10

G.10 Multiplication facts up to 10: true or false?

G.11 Multiplication facts up to 10: sorting

G.12 Multiplication facts up to 10: find the missing factor

G.13 Multiplication facts up to 10: select the missing factors

G.14 Multiplication sentences up to 10: true or false?

G.15 Multiplication tables up to 12

G.16 Multiplication facts up to 12: true or false?

G.17 Multiplication facts up to 12: find the missing factor

G.18 Multiplication facts up to 12: select the missing factors

G.19 Multiplication sentences up to 12: true or false?

G.20 Squares up to  $10 \times 10$

# Multiplication

H.1 Multiply by a multiple of ten

H.2 Multiplication patterns over increasing place values

H.3 Multiply numbers ending in zeroes

H.4 Multiplication input/output tables

H.5 Multiplication input/output tables: find the rule

H.6 Multiplication word problems

H.7 Multiplication word problems: find the missing factor

H.8 Multiply one-digit numbers by two-digit numbers

H.9 Multiply one-digit numbers by two-digit numbers: word problems

H.10 Multiply one-digit numbers by three-digit numbers

H.11 Multiply one-digit numbers by three-digit numbers: word problems

H.12 Multiply three or more numbers

H.13 Multiply three or more numbers: word problems

H.14 Combinations

H.15 Box multiplication

H.16 Lattice multiplication

## **Understand division**

I.1 Divide by counting equal groups

I.2 Write division sentences for groups

I.3 Relate multiplication and division for groups

I.4 Write division sentences for arrays

I.5 Relate multiplication and division for arrays

## **Division skill builders**

J.1 Divide by 1

J.2 Divide by 2

J.3 Divide by 3

J.4 Divide by 4

J.5 Divide by 5

J.6 Divide by 6

J.7 Divide by 7

J.8 Divide by 8

J.9 Divide by 9

J.10 Divide by 10

J.11 Divide by 11

J.12 Divide by 12

J.6 Divide by 6

J.7 Divide by 7

J.8 Divide by 8

J.9 Divide by 9

J.10 Divide by 10

J.11 Divide by 11

J.12 Divide by 12

## **Division fluency**

K.1 Division facts for 2, 3, 4, 5, and 10

K.2 Division facts for 2, 3, 4, 5, and 10: true or false?

K.3 Division facts for 2, 3, 4, 5, and 10: sorting

K.4 Division facts for 6, 7, 8, and 9

K.5 Division facts for 6, 7, 8, and 9: true or false?

K.6 Division facts for 6, 7, 8, and 9: sorting

K.7 Division facts up to 10

K.8 Division facts up to 10: true or false?

K.9 Division facts up to 10: sorting

K.10 Division facts up to 10: find the missing number

K.11 Division facts up to 10: select the missing numbers

K.12 Division sentences up to 10: true or false?

K.13 Division facts up to 12

K.14 Division facts up to 12: true or false?

K.15 Division facts up to 12: find the missing number

K.16 Division facts up to 12: select the missing numbers

K.17 Division sentences up to 12: true or false?

## **Division**

L.1 Division patterns over increasing place values

L.2 Divide numbers ending in zeroes

L.3 Division input/output tables

L.4 Division input/output tables: find the rule

L.5 Division word problems

L.6 Divide three-digit numbers

L.7 Complete the division table

L.8 Divide three-digit numbers: word problems

L.9 Divide larger numbers

L.10 Divide larger numbers: word problems

L.11 Divisibility rules for 2, 5, and 10

L.12 Divisibility rules for 3, 6, and 9

L.13 Divisibility rules for 4 and 8

**Parent Signature: I am signing this to confirm that my child \_\_\_\_\_ has successfully completed the Math IXL summer homework for incoming Fourth graders.**

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Parent Signature