

IMKH California



GRADE 3

Teacher Resource Copy
Masters

UNITS 3-4



Kendall Hunt

Book 2
Certified by Illustrative Mathematics®

© 2025 Illustrative Mathematics, <https://www.illustrativemathematics.org/>, and licensed under the Creative Commons Attribution-NonCommercial 4.0 International License (CC BY-NC 4.0), <https://creativecommons.org/licenses/by-nc/4.0/>.

The Illustrative Mathematics name and logo are not subject to the Creative Commons license and may not be used without the prior and express written consent of Illustrative Mathematics.

This book includes public domain images or openly licensed images that are copyrighted by their respective owners. Openly licensed images remain under the terms of their respective licenses. See the image attribution section for more information.

The Kendall Hunt name, logo, and cover artwork are not subject to the Creative Commons license and may not be used without the prior and express written consent of Kendall Hunt.

ISBN 9798385167678

K5_vII20240302

 GRADE 3

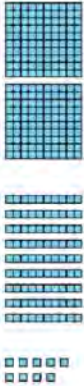

UNIT

3

Teacher Resource Copy
Masters

LESSON BLACKLINE MASTERS

address	title	students per copy	written on?	requires cutting?	card stock recommended?	color paper recommended?	used multiple times?	used as a center material?
Activity Grade3.3.1.1	Card Sort Numbers in Their Different Forms Cards	2	no	yes	no	no	no	no
Activity Grade3.3.1.2	Numbers in Different Forms Round Table Recording Sheet	1	yes	no	no	no	no	no
Activity Grade3.3.8.2	Card Sort Diagrams and Algorithms Cards	2	no	yes	no	no	no	no
Activity Grade3.3.12.2	Greatest Difference, Least Difference Spinner (groups of 2)	2	no	no	no	no	yes	no
Activity Grade3.3.18.1	Card Sort Situations, Equations, and Diagrams Cards	4	no	yes	no	no	no	no
Activity Grade3.3.20.2	Info Gap Bake Sale Cards	2	no	yes	no	no	no	no

<p>A</p> <p>Card Sort: Numbers in Their Different Forms</p> <p>175</p>	<p>E</p> <p>Card Sort: Numbers in Their Different Forms</p> <p>three hundred twenty-nine</p>	<p>I</p> <p>Card Sort: Numbers in Their Different Forms</p> <p>299</p>
<p>B</p> <p>Card Sort: Numbers in Their Different Forms</p> <p>$800 + 10 + 3$</p>	<p>F</p> <p>Card Sort: Numbers in Their Different Forms</p> <p>371</p>	<p>J</p> <p>Card Sort: Numbers in Their Different Forms</p> 
<p>C</p> <p>Card Sort: Numbers in Their Different Forms</p> 	<p>G</p> <p>Card Sort: Numbers in Their Different Forms</p> <p>one hundred seventy-five</p>	<p>K</p> <p>Card Sort: Numbers in Their Different Forms</p> <p>329</p>
<p>D</p> <p>Card Sort: Numbers in Their Different Forms</p> <p>two hundred ninety-nine</p>	<p>H</p> <p>Card Sort: Numbers in Their Different Forms</p> <p>813</p>	<p>L</p> <p>Card Sort: Numbers in Their Different Forms</p> <p>$100 + 60 + 15$</p>

Box 1: Three-digit Number

Box 2:

Box 3:

Box 4:

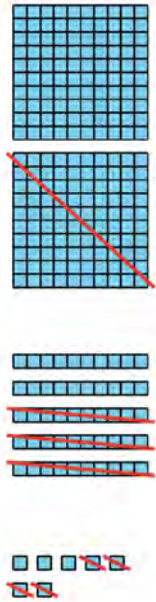
Card Sort: Diagrams and Algorithms
A

$$\begin{array}{r}
 \text{60} \quad \text{13} \\
 (300 + \cancel{70} + \cancel{3}) \\
 - (200 + 30 + 6) \\
 \hline
 100 + 30 + 7
 \end{array}$$

Card Sort: Diagrams and Algorithms
B



Card Sort: Diagrams and Algorithms
C



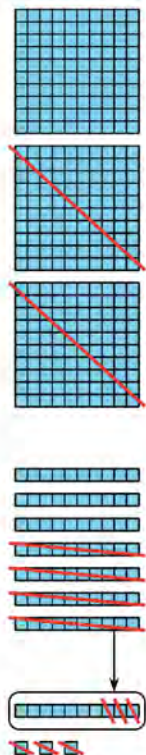
Card Sort: Diagrams and Algorithms
D

$$\begin{array}{r}
 \text{200} \quad \text{120} \\
 (300 + \cancel{20} + 7) \\
 - (100 + 80 + 5) \\
 \hline
 100 + 40 + 2
 \end{array}$$

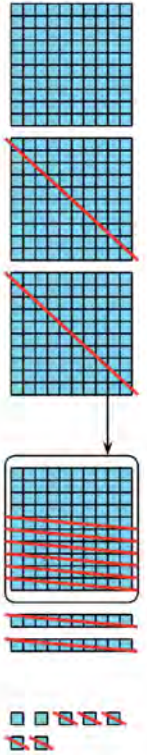
Card Sort: Diagrams and Algorithms
E

$$\begin{array}{r} (200 + 50 + 7) \\ - (100 + 30 + 4) \\ \hline 100 + 20 + 3 \end{array}$$

Card Sort: Diagrams and Algorithms
F

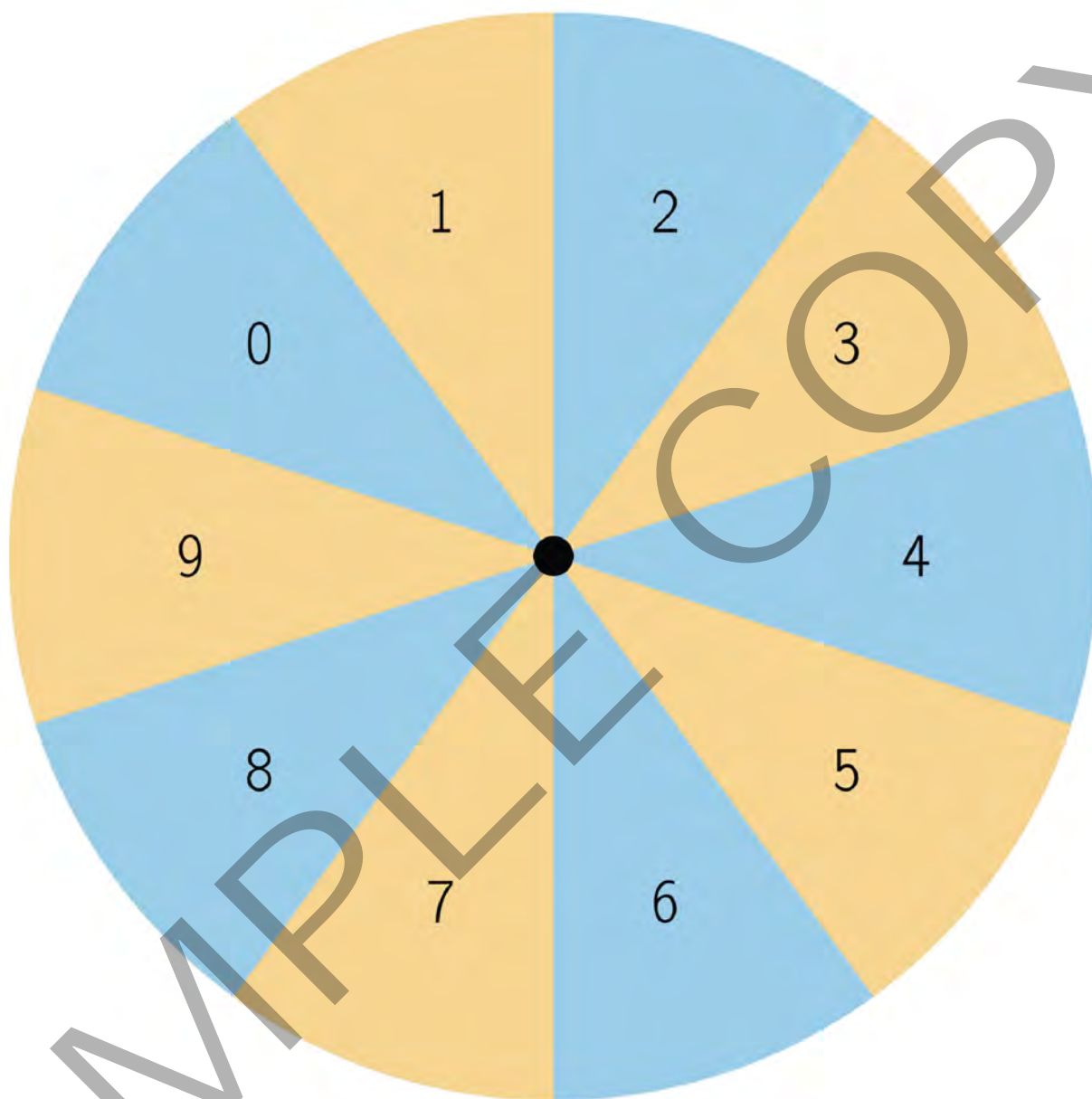


Card Sort: Diagrams and Algorithms
G



Card Sort: Diagrams and Algorithms
H

$$\begin{array}{r} 200 \quad 130 \\ - (300 + 30 + 3) \\ - (200 + 90 + 2) \\ \hline 0 + 40 + 1 \end{array}$$



Card Sort: Situations, Equations, and Diagrams

A

Clare had 225 beads. A friend gave her a pack of 48 beads. Then she used 70 beads to make a necklace. How many beads does Clare have now?

Card Sort: Situations, Equations, and Diagrams

C



Card Sort: Situations, Equations, and Diagrams

B

Andre has 225 crayons. He buys 6 more packs and each pack has 10 crayons. How many crayons does Andre have now?

Card Sort: Situations, Equations, and Diagrams

D



Card Sort: Situations, Equations, and Diagrams

E

$$225 - (6 \times 10) = ?$$

Card Sort: Situations, Equations, and Diagrams

F

Diego has a collection of 225 baseball cards. He gets 35 more cards from a friend, then buys 72 cards. How many cards does Diego have now?

Card Sort: Situations, Equations, and Diagrams

G

Elena has 7 notebooks. Each notebook has 10 paperclips in it. Elena also has a box of 225 paperclips. How many paperclips does Elena have?

Card Sort: Situations, Equations, and Diagrams

H

Han has 225 beads. Then he makes 6 bracelets for his friends. Each bracelet has 10 beads. How many beads does Han have now?

Card Sort: Situations, Equations, and Diagrams

I

$$225 + (6 \times 10) = ?$$

Card Sort: Situations, Equations, and Diagrams

J



Card Sort: Situations, Equations, and Diagrams

K

$$? = 225 + 48 - 70$$

Card Sort: Situations, Equations, and Diagrams

L

$$? = (7 \times 10) + 225$$

Info Gap: Bake Sale

Problem Card 1

There are a lot of cookies at the start of the bake sale. Several packs of cookies sell right away.

How many cookies are still for sale?

Info Gap: Bake Sale

Data Card 1

- The bake sale opens with 230 cookies.
- The first sale is 7 packs of cookies.
- Each pack has 10 cookies.

Info Gap: Bake Sale

Problem Card 2

There is already money in the cash box from the bake sale. Then Clare buys some brownies.

How much money is in the cash box now?

Info Gap: Bake Sale

Data Card 2

- There is \$1.75 in the cash box to start.
- Clare buys 6 brownies.
- Each brownie costs \$.30.

 **GRADE 3**

UNIT

4

**Teacher Resource Copy
Masters**

LESSON BLACKLINE MASTERS

address	title	students per copy	written on?	requires cutting?	card stock recommended?	color paper recommended?	used multiple times?	used as a center material?
Activity Grade3.4.5.1	Card Sort All about Insects Cards	2	no	yes	no	no	no	no
Activity Grade3.4.7.1	Division Round Table Recording Sheet	1	yes	no	no	no	no	no
Activity Grade3.4.8.1	Sort the Multiplication Facts Cards	2	no	yes	yes	no	yes	no
Activity Grade3.4.8.1	Sort the Multiplication Facts Recording Sheet	2	yes	no	no	no	no	no
Activity Grade3.4.11.2	Centimeter Grid Paper - Standard	2	yes	no	no	no	no	yes
Activity Grade3.4.11.2	Card Sort Different Expressions, Same Rectangle Cards	2	no	yes	no	no	no	no
Activity Grade3.4.16.3	Number Cards 0-10	2	no	yes	yes	no	yes	yes
Activity Grade3.4.20.3	Compare Stages 4 and 5 One-digit Divisor Cards	2	no	yes	no	no	yes	yes

Card Sort: All about Insects

A

Mole crickets have special legs for digging. A scientist counts 10 digging legs on 5 mole crickets. Each mole cricket has the same number of digging legs. How many digging legs does each mole cricket have?

Card Sort: All about Insects

B

A scientist counts 12 wings on dragonflies. Each dragonfly has 4 wings. How many dragonflies are there?

Card Sort: All about Insects

C

Each beetle has a pair of antennae for sensing heat, touch, smell, and more. A scientist counts 8 antennae on some beetles. How many beetles are there?

Card Sort: All about Insects

D

A scientist counts 30 legs on 5 ants. All the ants have the same number of legs. How many legs does each ant have?

Card Sort: All about Insects

E

A scientist counts 14 antennae on some bees. Each bee has 2 antennae. How many bees are there?

Card Sort: All about Insects

F

A scientist counts 50 spots on 5 butterflies. Each butterfly has the same number of spots. How many spots does each butterfly have?

<p>Box 1: Equal Groups Drawing</p>	<p>Box 2: Division Situation</p>
<p>Box 3: Multiplication Equation</p>	<p>Box 4: Division Equation</p>

Sort the Multiplication Facts

$$1 \times 10$$

Sort the Multiplication Facts

$$2 \times 10$$

Sort the Multiplication Facts

$$3 \times 10$$

Sort the Multiplication Facts

$$4 \times 10$$

Sort the Multiplication Facts

$$5 \times 10$$

Sort the Multiplication Facts

$$6 \times 10$$

Sort the Multiplication Facts

$$7 \times 10$$

Sort the Multiplication Facts

$$8 \times 10$$

Sort the Multiplication Facts

$$9 \times 10$$

Sort the Multiplication Facts

$$10 \times 10$$

Sort the Multiplication Facts

$$1 \times 1$$

Sort the Multiplication Facts

$$2 \times 1$$

Sort the Multiplication Facts

$$3 \times 1$$

Sort the Multiplication Facts

$$4 \times 1$$

Sort the Multiplication Facts

$$5 \times 1$$

Sort the Multiplication Facts

$$6 \times 1$$

Sort the Multiplication Facts

$$7 \times 1$$

Sort the Multiplication Facts

$$8 \times 1$$

Sort the Multiplication Facts

$$9 \times 1$$

Sort the Multiplication Facts

$$10 \times 1$$

Sort the Multiplication Facts

$$1 \times 5$$

Sort the Multiplication Facts

$$2 \times 5$$

Sort the Multiplication Facts

$$3 \times 5$$

Sort the Multiplication Facts

$$4 \times 5$$

Sort the Multiplication Facts

$$5 \times 5$$

Sort the Multiplication Facts

$$6 \times 5$$

Sort the Multiplication Facts

$$7 \times 5$$

Sort the Multiplication Facts

$$8 \times 5$$

Sort the Multiplication Facts

$$9 \times 5$$

Sort the Multiplication Facts

$$10 \times 5$$

Sort the Multiplication Facts

$$1 \times 2$$

Sort the Multiplication Facts

$$2 \times 2$$

Sort the Multiplication Facts

$$3 \times 2$$

Sort the Multiplication Facts

$$4 \times 2$$

Sort the Multiplication Facts

$$5 \times 2$$

Sort the Multiplication Facts

$$6 \times 2$$

Sort the Multiplication Facts

$$7 \times 2$$

Sort the Multiplication Facts

$$8 \times 2$$

Sort the Multiplication Facts

$$9 \times 2$$

Sort the Multiplication Facts

$$10 \times 2$$

Sort the Multiplication Facts	Sort the Multiplication Facts	Sort the Multiplication Facts	Sort the Multiplication Facts
1×3	2×3	3×3	4×3
Sort the Multiplication Facts	Sort the Multiplication Facts	Sort the Multiplication Facts	Sort the Multiplication Facts
5×3	6×3	7×3	8×3

Sort the Multiplication Facts

$$9 \times 3$$

Sort the Multiplication Facts

$$10 \times 3$$

Sort the Multiplication Facts

$$1 \times 4$$

Sort the Multiplication Facts

$$2 \times 4$$

Sort the Multiplication Facts

$$3 \times 4$$

Sort the Multiplication Facts

$$4 \times 4$$

Sort the Multiplication Facts

$$5 \times 4$$

Sort the Multiplication Facts

$$6 \times 4$$

Sort the Multiplication Facts

$$7 \times 4$$

Sort the Multiplication Facts

$$8 \times 4$$

Sort the Multiplication Facts

$$9 \times 4$$

Sort the Multiplication Facts

$$10 \times 4$$

Sort the Multiplication Facts

$$1 \times 6$$

Sort the Multiplication Facts

$$2 \times 6$$

Sort the Multiplication Facts

$$3 \times 6$$

Sort the Multiplication Facts

$$4 \times 6$$

Sort the Multiplication Facts

$$5 \times 6$$

Sort the Multiplication Facts

$$6 \times 6$$

Sort the Multiplication Facts

$$7 \times 6$$

Sort the Multiplication Facts

$$8 \times 6$$

Sort the Multiplication Facts

$$9 \times 6$$

Sort the Multiplication Facts

$$10 \times 6$$

Sort the Multiplication Facts

$$1 \times 8$$

Sort the Multiplication Facts

$$2 \times 8$$

Sort the Multiplication Facts

$$3 \times 8$$

Sort the Multiplication Facts

$$4 \times 8$$

Sort the Multiplication Facts

$$5 \times 8$$

Sort the Multiplication Facts

$$6 \times 8$$

Sort the Multiplication Facts

$$7 \times 8$$

Sort the Multiplication Facts

$$8 \times 8$$

Sort the Multiplication Facts

$$9 \times 8$$

Sort the Multiplication Facts

$$10 \times 8$$

Sort the Multiplication Facts

$$1 \times 7$$

Sort the Multiplication Facts

$$2 \times 7$$

Sort the Multiplication Facts

$$3 \times 7$$

Sort the Multiplication Facts

$$4 \times 7$$

Sort the Multiplication Facts

$$5 \times 7$$

Sort the Multiplication Facts

$$6 \times 7$$

Sort the Multiplication Facts

$$7 \times 7$$

Sort the Multiplication Facts

$$8 \times 7$$

Sort the Multiplication Facts

$$9 \times 7$$

Sort the Multiplication Facts

$$10 \times 7$$

Sort the Multiplication Facts

$$1 \times 9$$

Sort the Multiplication Facts

$$2 \times 9$$

Sort the Multiplication Facts

$$3 \times 9$$

Sort the Multiplication Facts

$$4 \times 9$$

Sort the Multiplication Facts

$$5 \times 9$$

Sort the Multiplication Facts

$$6 \times 9$$

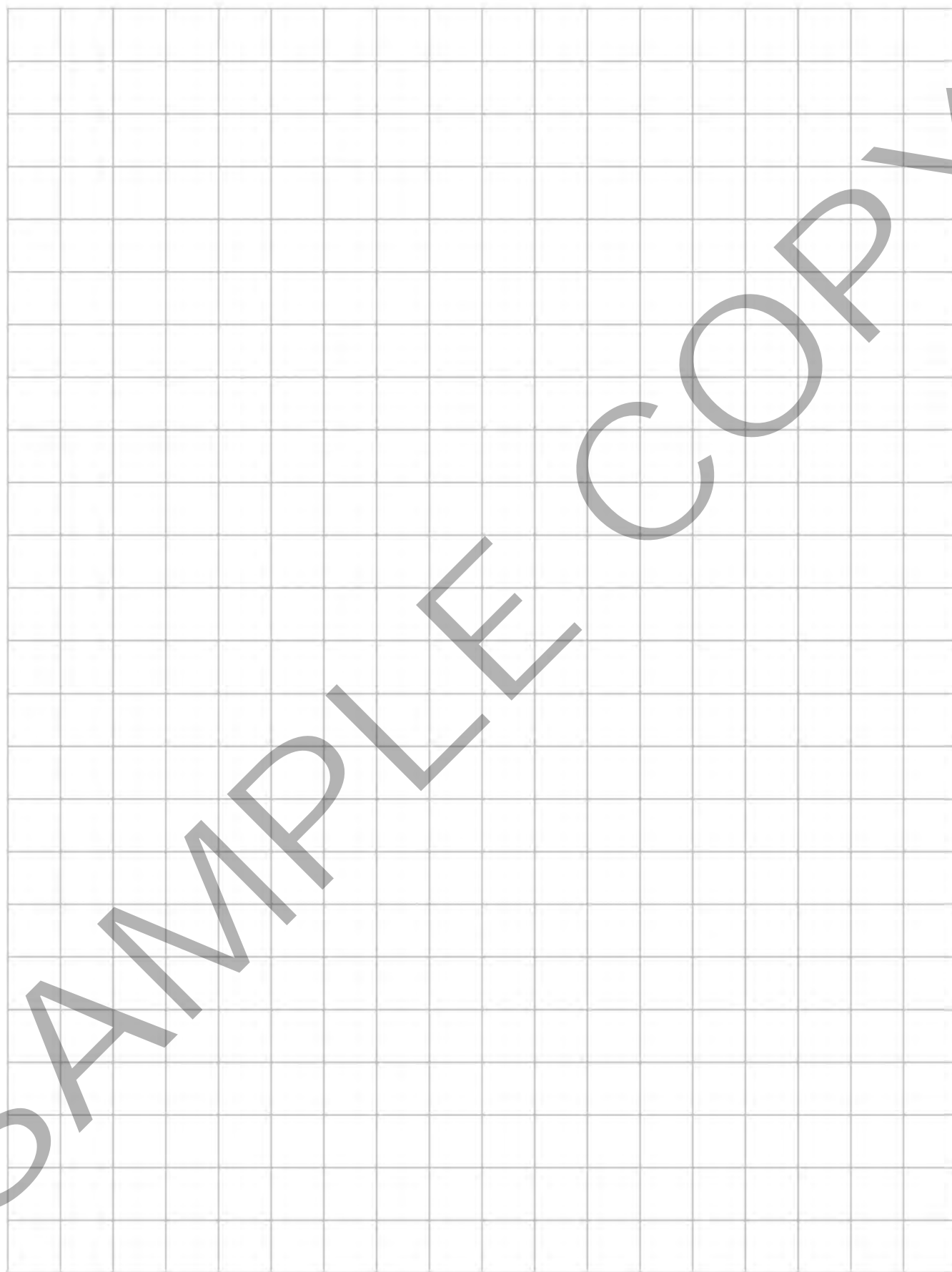
Sort the Multiplication Facts 7×9	Sort the Multiplication Facts 8×9	Sort the Multiplication Facts 9×9	Sort the Multiplication Facts 10×9
---	---	---	--

- a. know it right away

b. can find it quickly

c. don't know it yet
2. Review your strategies and practice the products that are in the "don't know it yet" column.

know it right away	can find it quickly	don't know it yet



Card Sort: Different Expressions,
Same Rectangle

A

$$(7 \times 2) \times 2$$

Card Sort: Different Expressions,
Same Rectangle

B

$$6 \times 7$$

Card Sort: Different Expressions,
Same Rectangle

C

$$7 \times 4$$

Card Sort: Different Expressions,
Same Rectangle

D

$$8 \times 3$$

Card Sort: Different Expressions,
Same Rectangle

E

$$(3 \times 6) + (5 \times 6)$$

Card Sort: Different Expressions,
Same Rectangle

F

$$(4 \times 3) \times 2$$

Card Sort: Different Expressions,
Same Rectangle

G

$$4 \times (2 \times 3)$$

Card Sort: Different Expressions,
Same Rectangle

H

$$4 \times 9$$

Card Sort: Different Expressions,
Same Rectangle

I

$$(5 \times 6) + (2 \times 6)$$

Card Sort: Different Expressions,
Same Rectangle

J

$$2 \times (2 \times 9)$$

Card Sort: Different Expressions,
Same Rectangle

K

$$8 \times 6$$

Card Sort: Different Expressions,
Same Rectangle

L

$$(5 \times 4) + (2 \times 4)$$

1

2

3

4

5

6

7

8

9

1

2

3

4

5

6

7

8

9

0

0

10

10

Compare Stages 4 and 5 One-Digit Divisors

$$78 \div 6$$

Compare Stages 4 and 5 One-Digit Divisors

$$84 \div 7$$

Compare Stages 4 and 5 One-Digit Divisors

$$68 \div 4$$

Compare Stages 4 and 5 One-Digit Divisors

$$65 \div 5$$

Compare Stages 4 and 5 One-Digit Divisors

$$90 \div 6$$

Compare Stages 4 and 5 One-Digit Divisors

$$42 \div 7$$

Compare Stages 4 and 5 One-Digit Divisors

$$56 \div 8$$

Compare Stages 4 and 5 One-Digit Divisors

$$72 \div 9$$

Compare Stages 4 and 5 One-Digit Divisors

$$64 \div 8$$

Compare Stages 4 and 5 One-Digit Divisors

$$81 \div 9$$

Compare Stages 4 and 5 One-Digit Divisors

$$72 \div 3$$

Compare Stages 4 and 5 One-Digit Divisors

$$92 \div 4$$

Compare Stages 4 and 5 One-Digit Divisors

$$69 \div 3$$

Compare Stages 4 and 5 One-Digit Divisors

$$84 \div 4$$

Compare Stages 4 and 5 One-Digit Divisors

$$63 \div 3$$