IM K–12 California

GRADE 3

Teacher Resource Copy Masters

UNITS 7-8

Illustrative Mathematics LEARN MATH FOR LIFE | Kendall Hunt

Book 4

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GRADE 3

UNIT

7

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LESSON BLACKLINE MASTERS

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address	title	students per copy	written on?	requires cutting?	card stock recommended?	color paper recommended?	used multiple times?	used as a center material?
Activity Grade3.7.1.1	Shape Cards Grade 3	2	no	yes	no	no	yes	yes
Activity Grade3.7.2.1	Triangle Cards Grade 3	2	no	yes	no	no	yes	yes
Activity Grade3.7.2.2	Quadrilateral Cards Grade 3	2	no	yes	no	no	yes	yes
Activity Grade3.7.6.1	What Does It Take to Build the Shapes Handout	4	no	no	no	no	no	no
Activity Grade3.7.10.2	Info Gap A Garden and a Playground Cards	2	no	yes	no	no	no	no
Activity Grade3.7.11.2	Square Dot Paper Standard	1	yes	no	no	no	no	yes
Activity Grade3.7.14.2	Info Gap The Bundle Cards	2	no	yes	no	no	no	no

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Shape Cards Grade 3
A

Shape Cards Grade 3
B

Shape Cards Grade 3
C

Shape Cards Grade 3
D

Shape Cards Grade 3
E

Shape Cards Grade 3
F

Shape Cards Grade 3
G

Shape Cards Grade 3
H

Shape Cards Grade 3
I

Shape Cards Grade 3
J

Shape Cards Grade 3
K

Shape Cards Grade 3
L

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Shape Cards Grade 3
M

Shape Cards Grade 3
N

Shape Cards Grade 3
O

Shape Cards Grade 3
P

Shape Cards Grade 3
Q

Shape Cards Grade 3
R

Shape Cards Grade 3
S

Shape Cards Grade 3
T

Shape Cards Grade 3
U

Shape Cards Grade 3
V

Shape Cards Grade 3
W

Shape Cards Grade 3
X

SAMPLE COPY

Triangle Cards Grade 3
A

Triangle Cards Grade 3
B

Triangle Cards Grade 3
C

Triangle Cards Grade 3
D

Triangle Cards Grade 3
E

Triangle Cards Grade 3
F

Triangle Cards Grade 3
G

Triangle Cards Grade 3
H

Triangle Cards Grade 3
I

Triangle Cards Grade 3
J

Triangle Cards Grade 3
K

Triangle Cards Grade 3
L

SAMPLE COPY

Quadrilateral Cards Grade 3
M

Quadrilateral Cards Grade 3
N

Quadrilateral Cards Grade 3
O

Quadrilateral Cards Grade 3
P

Quadrilateral Cards Grade 3
Q

Quadrilateral Cards Grade 3
R

Quadrilateral Cards Grade 3
S

Quadrilateral Cards Grade 3
T

Quadrilateral Cards Grade 3
U

Quadrilateral Cards Grade 3
V

Quadrilateral Cards Grade 3
W

Quadrilateral Cards Grade 3
X

SAMPLE COPY

Quadrilateral Cards Grade 3
Y

Quadrilateral Cards Grade 3
Z

Quadrilateral Cards Grade 3
AA

Quadrilateral Cards Grade 3
BB

Quadrilateral Cards Grade 3
CC

Quadrilateral Cards Grade 3
DD

Quadrilateral Cards Grade 3
EE

Quadrilateral Cards Grade 3
FF

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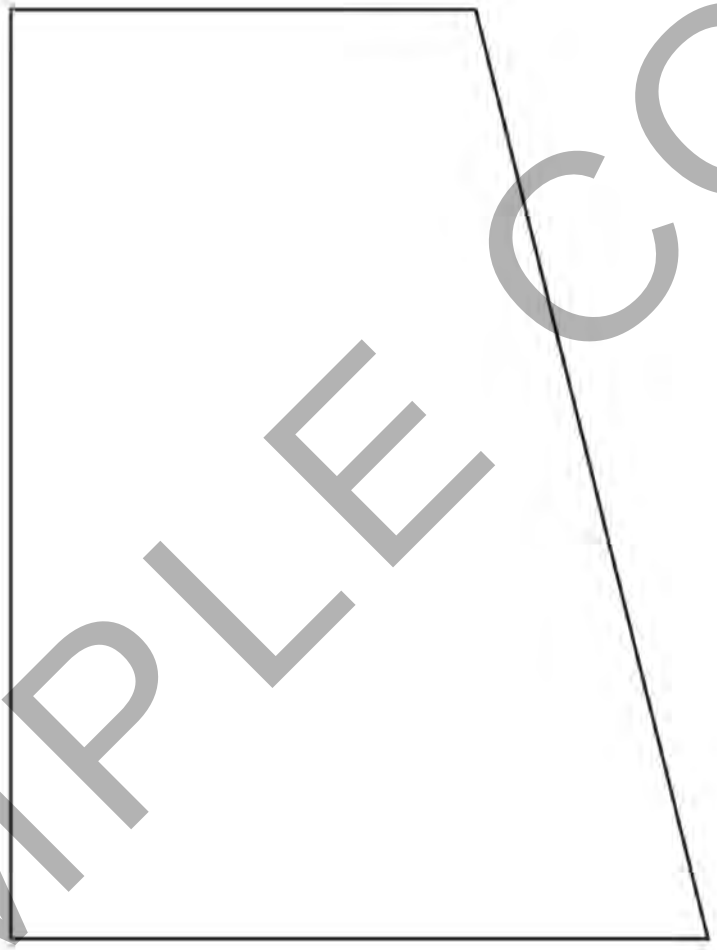
A



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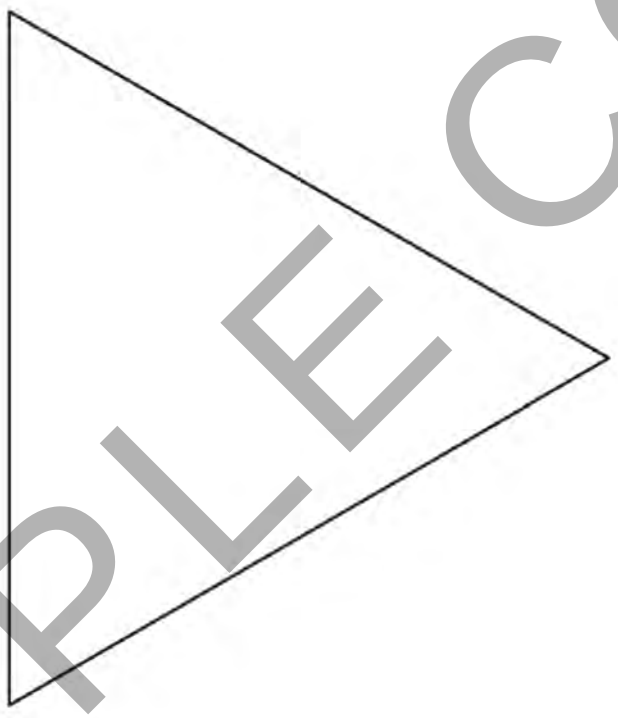

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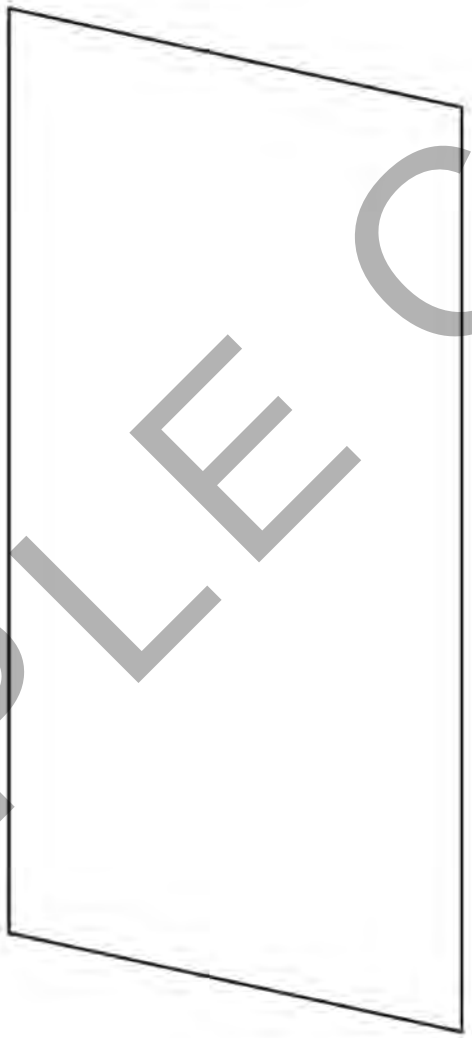

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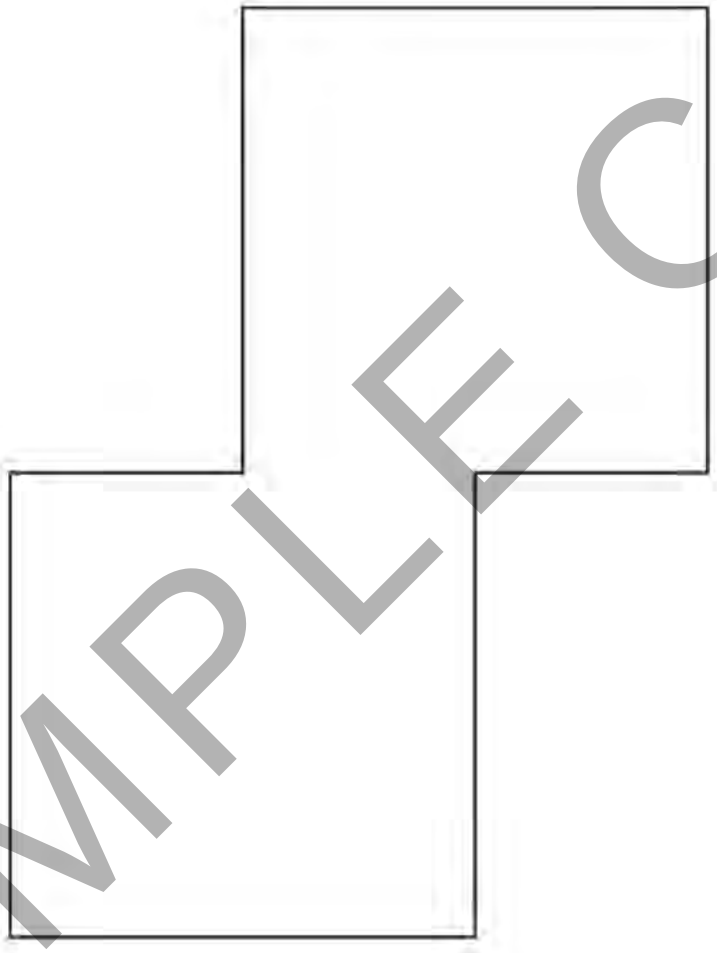

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A Garden and a Playground

Problem Card 1

A gardener has a rectangular garden. She found its area in square meters.

What is the perimeter of the garden?

A Garden and a Playground

Problem Card 2

A school has a rectangular playground. A teacher found its perimeter and area.

What is the area of the playground?

A Garden and a Playground

Data Card 1

- The area of the garden is 48 square meters.
- The longer side is 2 meters longer than the shorter side.
- One side of the garden is 8 meters.

A Garden and a Playground

Data Card 2

- The perimeter of the playground is 38 meters.
- The longer side is an even number of meters.
- The shorter side of the playground is 7 meters.

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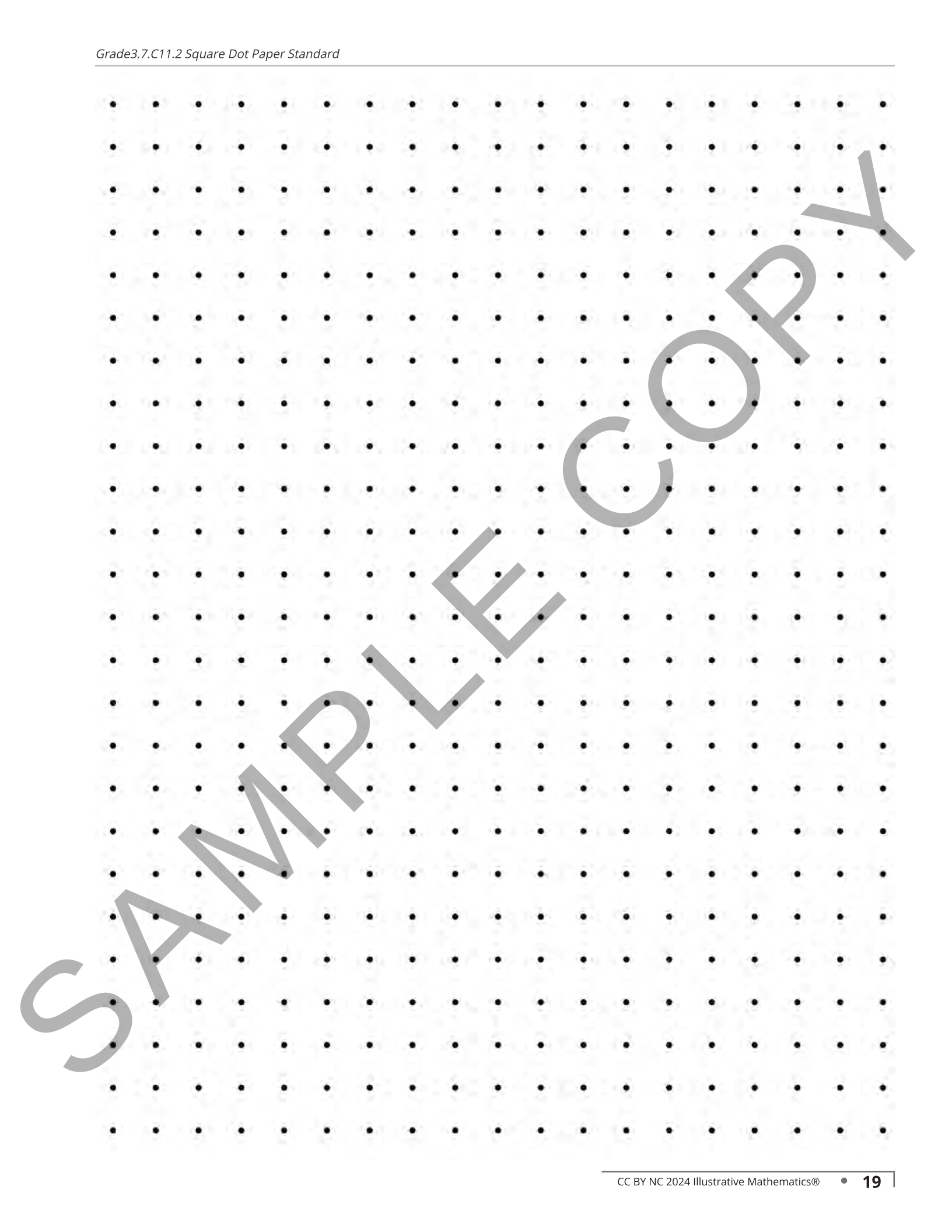

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Info Gap: The Bundle

Problem Card 1

A bundle of wax print cloth is purchased. Some is used to make a head wrap and some is used to make a lapa. The rest goes to the tailor to make a shirt.

How much wax print cloth goes to the tailor to make a shirt?

Info Gap: The Bundle

Data Card 1

- The cloth in the bundle is a rectangle.
- The cloth in the bundle is 18 feet by 4 feet.
- The head wrap is made from a rectangle of cloth that is 2 feet by 6 feet.
- The lapa is made from a rectangle of cloth that is 7 feet by 4 feet.

Info Gap: The Bundle

Problem Card 2

Ribbon is sewn around the perimeter of the lapa and the bottom of the shirt.

How much ribbon is needed altogether to decorate the lapa and the shirt?

Info Gap: The Bundle

Data Card 2

- The piece of cloth used for the lapa is a rectangle.
- The piece of cloth used for the lapa is 7 feet by 4 feet.
- The bottom of the shirt is 3 feet long.

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GRADE 3

UNIT

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address	title	students per copy	written on?	requires cutting?	card stock recommended?	color paper recommended?	used multiple times?	used as a center material?
Activity Grade3.8.6.2	Survey a Large Group Handout	4	yes	no	no	no	no	no
Activity Grade3.8.8.1	Sort the Multiplication Facts Cards	2	no	yes	yes	no	yes	no
Activity Grade3.8.8.1	Sort the Multiplication Facts Recording Sheet	2	yes	no	no	no	no	no
Activity Grade3.8.8.2	Compare Stage 3 Multiplication Cards	2	no	yes	no	no	yes	yes
Activity Grade3.8.8.2	Compare Stages 3–9 Directions	2	yes	no	no	no	yes	yes
Activity Grade3.8.9.1	How Close? Stage 5 Recording Sheet	1	yes	no	no	no	no	yes
Activity Grade3.8.9.1	Number Cards 0–10	2	no	yes	yes	no	yes	yes
Activity Grade3.8.9.1	Rectangle Rumble Stage 3 Gameboard	2	yes	no	no	no	no	yes

SAMPLE COPY

address	title	students per copy	written on?	requires cutting?	card stock recommended?	color paper recommended?	used multiple times?	used as a center material?
Activity Grade3.8.9.1	Rectangle Rumble Stage 3 Spinners	2	no	no	no	no	yes	yes
Activity Grade3.8.10.1	Find the Match Cards	24	no	yes	yes	no	no	no

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Question:

	A	B	C	D	E	F

SAMPLE COPY

Sort the Multiplication Facts

1×10

Sort the Multiplication Facts

2×10

Sort the Multiplication Facts

3×10

Sort the Multiplication Facts

4×10

Sort the Multiplication Facts

5×10

Sort the Multiplication Facts

6×10

Sort the Multiplication Facts

7×10

Sort the Multiplication Facts

8×10

SAMPLE COPY

Sort the Multiplication Facts

9×10

Sort the Multiplication Facts

10×10

Sort the Multiplication Facts

1×1

Sort the Multiplication Facts

2×1

Sort the Multiplication Facts

3×1

Sort the Multiplication Facts

4×1

Sort the Multiplication Facts

5×1

Sort the Multiplication Facts

6×1

SAMPLE COPY

Sort the Multiplication Facts

7×1

Sort the Multiplication Facts

8×1

Sort the Multiplication Facts

9×1

Sort the Multiplication Facts

10×1

Sort the Multiplication Facts

1×5

Sort the Multiplication Facts

2×5

Sort the Multiplication Facts

3×5

Sort the Multiplication Facts

4×5

SAMPLE COPY

Sort the Multiplication Facts

5×5

Sort the Multiplication Facts

6×5

Sort the Multiplication Facts

7×5

Sort the Multiplication Facts

8×5

Sort the Multiplication Facts

9×5

Sort the Multiplication Facts

10×5

Sort the Multiplication Facts

1×2

Sort the Multiplication Facts

2×2

SAMPLE COPY

Sort the Multiplication Facts

3×2

Sort the Multiplication Facts

4×2

Sort the Multiplication Facts

5×2

Sort the Multiplication Facts

6×2

Sort the Multiplication Facts

7×2

Sort the Multiplication Facts

8×2

Sort the Multiplication Facts

9×2

Sort the Multiplication Facts

10×2

SAMPLE COPY

Sort the Multiplication Facts

1×3

Sort the Multiplication Facts

2×3

Sort the Multiplication Facts

3×3

Sort the Multiplication Facts

4×3

Sort the Multiplication Facts

5×3

Sort the Multiplication Facts

6×3

Sort the Multiplication Facts

7×3

Sort the Multiplication Facts

8×3

SAMPLE COPY

Sort the Multiplication Facts

9×3

Sort the Multiplication Facts

10×3

Sort the Multiplication Facts

1×4

Sort the Multiplication Facts

2×4

Sort the Multiplication Facts

3×4

Sort the Multiplication Facts

4×4

Sort the Multiplication Facts

5×4

Sort the Multiplication Facts

6×4

SAMPLE COPY

Sort the Multiplication Facts

7×4

Sort the Multiplication Facts

8×4

Sort the Multiplication Facts

9×4

Sort the Multiplication Facts

10×4

Sort the Multiplication Facts

1×6

Sort the Multiplication Facts

2×6

Sort the Multiplication Facts

3×6

Sort the Multiplication Facts

4×6

SAMPLE COPY

Sort the Multiplication Facts

5×6

Sort the Multiplication Facts

6×6

Sort the Multiplication Facts

7×6

Sort the Multiplication Facts

8×6

Sort the Multiplication Facts

9×6

Sort the Multiplication Facts

10×6

Sort the Multiplication Facts

1×8

Sort the Multiplication Facts

2×8

SAMPLE COPY

Sort the Multiplication Facts

3×8

Sort the Multiplication Facts

4×8

Sort the Multiplication Facts

5×8

Sort the Multiplication Facts

6×8

Sort the Multiplication Facts

7×8

Sort the Multiplication Facts

8×8

Sort the Multiplication Facts

9×8

Sort the Multiplication Facts

10×8

SAMPLE COPY

Sort the Multiplication Facts

1×7

Sort the Multiplication Facts

2×7

Sort the Multiplication Facts

3×7

Sort the Multiplication Facts

4×7

Sort the Multiplication Facts

5×7

Sort the Multiplication Facts

6×7

Sort the Multiplication Facts

7×7

Sort the Multiplication Facts

8×7

SAMPLE COPY

Sort the Multiplication Facts

9×7

Sort the Multiplication Facts

10×7

Sort the Multiplication Facts

1×9

Sort the Multiplication Facts

2×9

Sort the Multiplication Facts

3×9

Sort the Multiplication Facts

4×9

Sort the Multiplication Facts

5×9

Sort the Multiplication Facts

6×9

SAMPLE COPY

Sort the Multiplication Facts

7×9

Sort the Multiplication Facts

8×9

Sort the Multiplication Facts

9×9

Sort the Multiplication Facts

10×9

SAMPLE COPY

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

SAMPLE COPY

Compare Stage 3

11×8

Compare Stage 3

12×7

Compare Stage 3

13×7

Compare Stage 3

14×6

Compare Stage 3

15×6

Compare Stage 3

10×9

Compare Stage 3

21×4

Compare Stage 3

19×5

SAMPLE COPY

Compare Stage 3

18×5

Compare Stage 3

17×4

Compare Stage 3

16×6

Compare Stage 3

14×7

Compare Stage 3

31×3

Compare Stage 3

20×4

Compare Stage 3

8×9

Compare Stage 3

9×7

SAMPLE COPY

Compare Stage 3

12×5

Compare Stage 3

13×4

Compare Stage 3

15×3

Compare Stage 3

9×5

SAMPLE COPY

Directions:

- Split the deck. Place the cards facedown in 2 stacks.
- Each partner flips over a card.
- Compare the values. The partner with the greater value keeps both cards.
- If the values are the same, each partner turns over 1 more card. The partner with the greater value keeps all 4 cards.
- Play until you run out of cards. The partner with more cards at the end of the game wins.

Record any sets of cards that are challenging to compare.

Directions:

- Split the deck. Place the cards facedown in 2 stacks.
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- If the values are the same, each partner turns over 1 more card. The partner with the greater value keeps all 4 cards.
- Play until you run out of cards. The partner with more cards at the end of the game wins.

Record any sets of cards that are challenging to compare.

SAMPLE COPY

Directions:

- Remove the cards that show 10 and set them aside.
- Each partner:
  - Take 4 cards.
  - Choose 2–3 cards to multiply.
  - Write an equation to show the product of the numbers you chose.
  - Your score for each round is the difference between your product and 100.
- Take new cards so that you have 4 cards to start the next round.
- At the end of the game, add your score for each round. The partner with the lower score wins.

round	multiplication equation	points for the round
1		
2		
3		
4		
5		
6		
7		
8		

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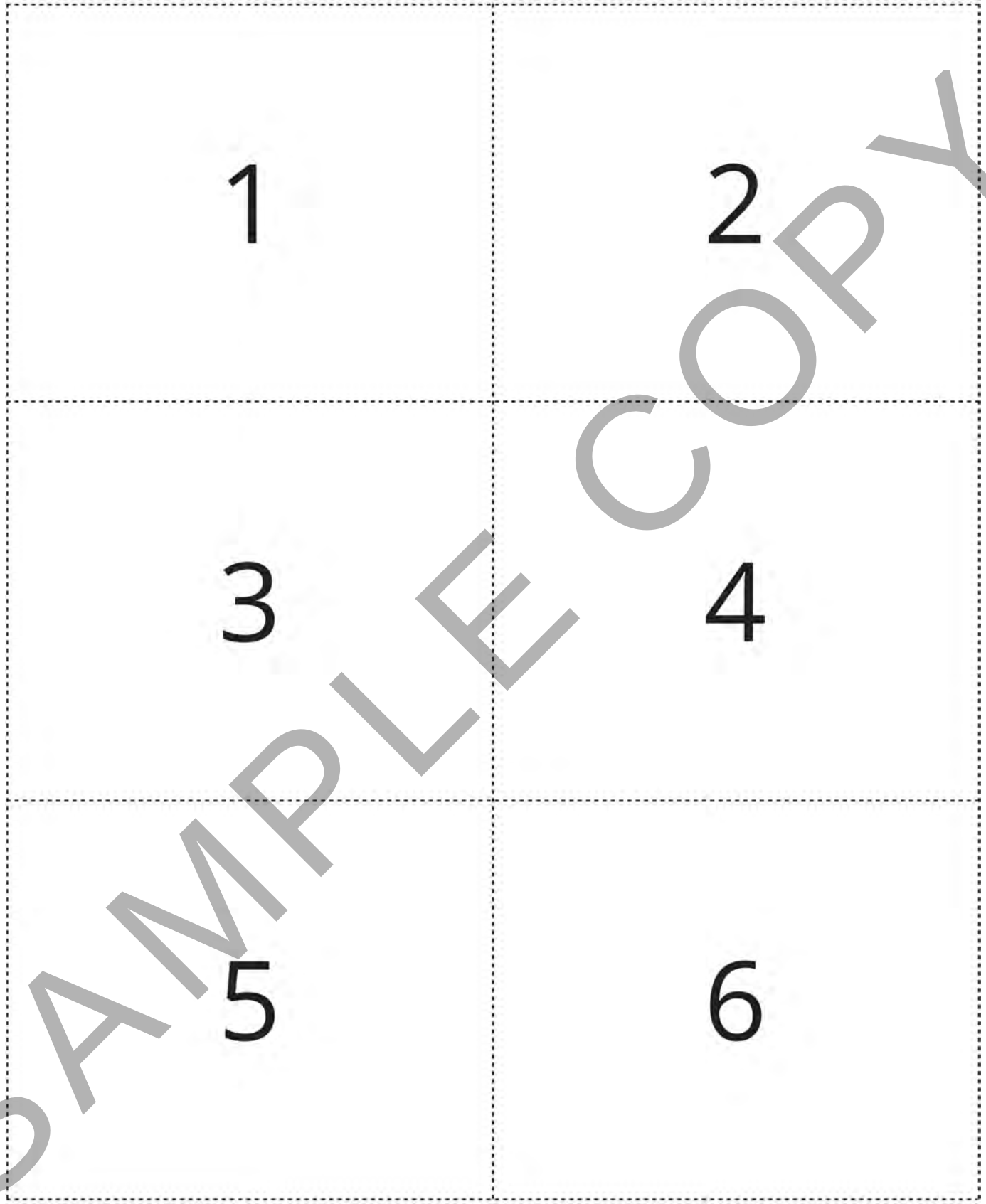

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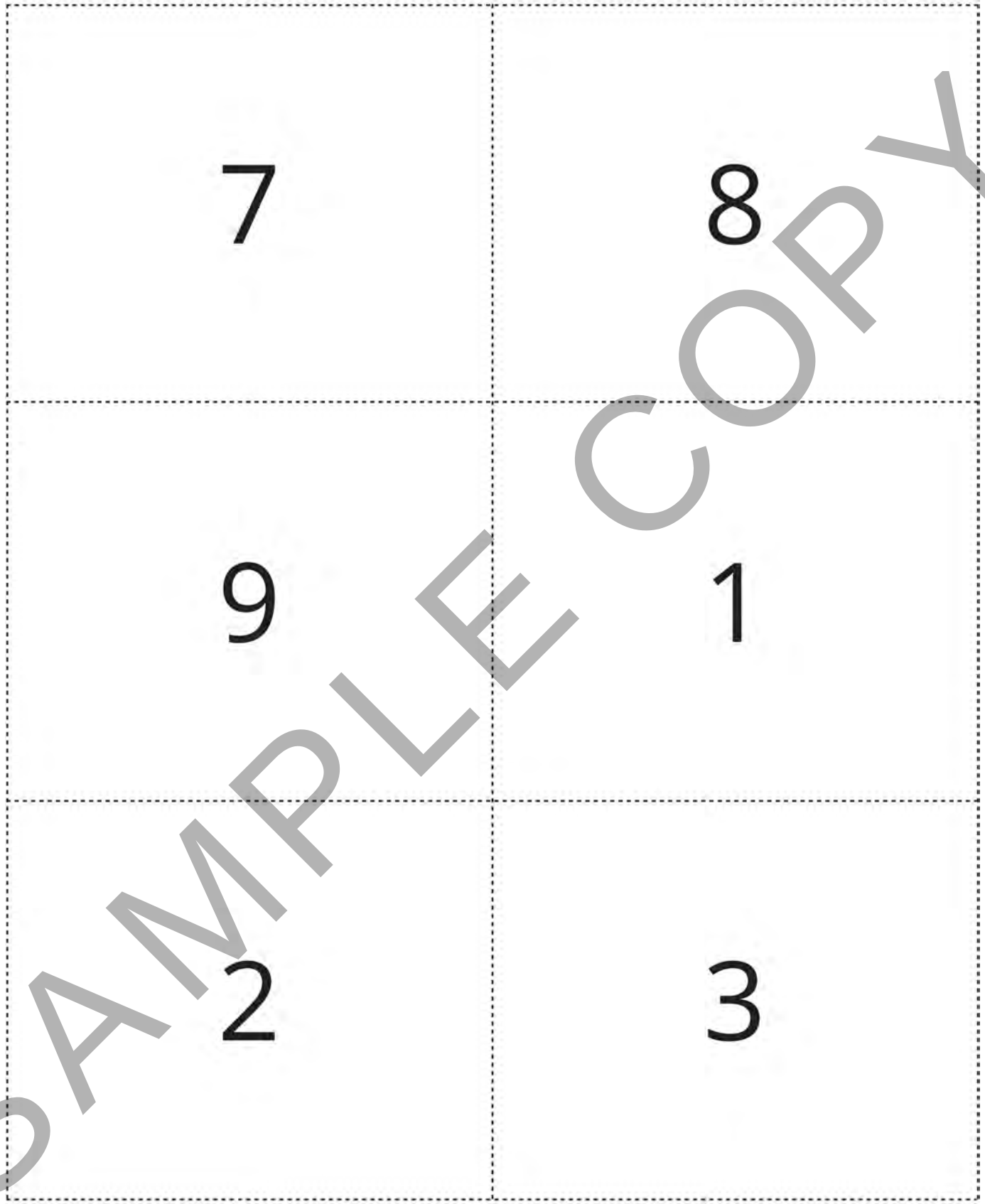

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4	5
6	7
8	9

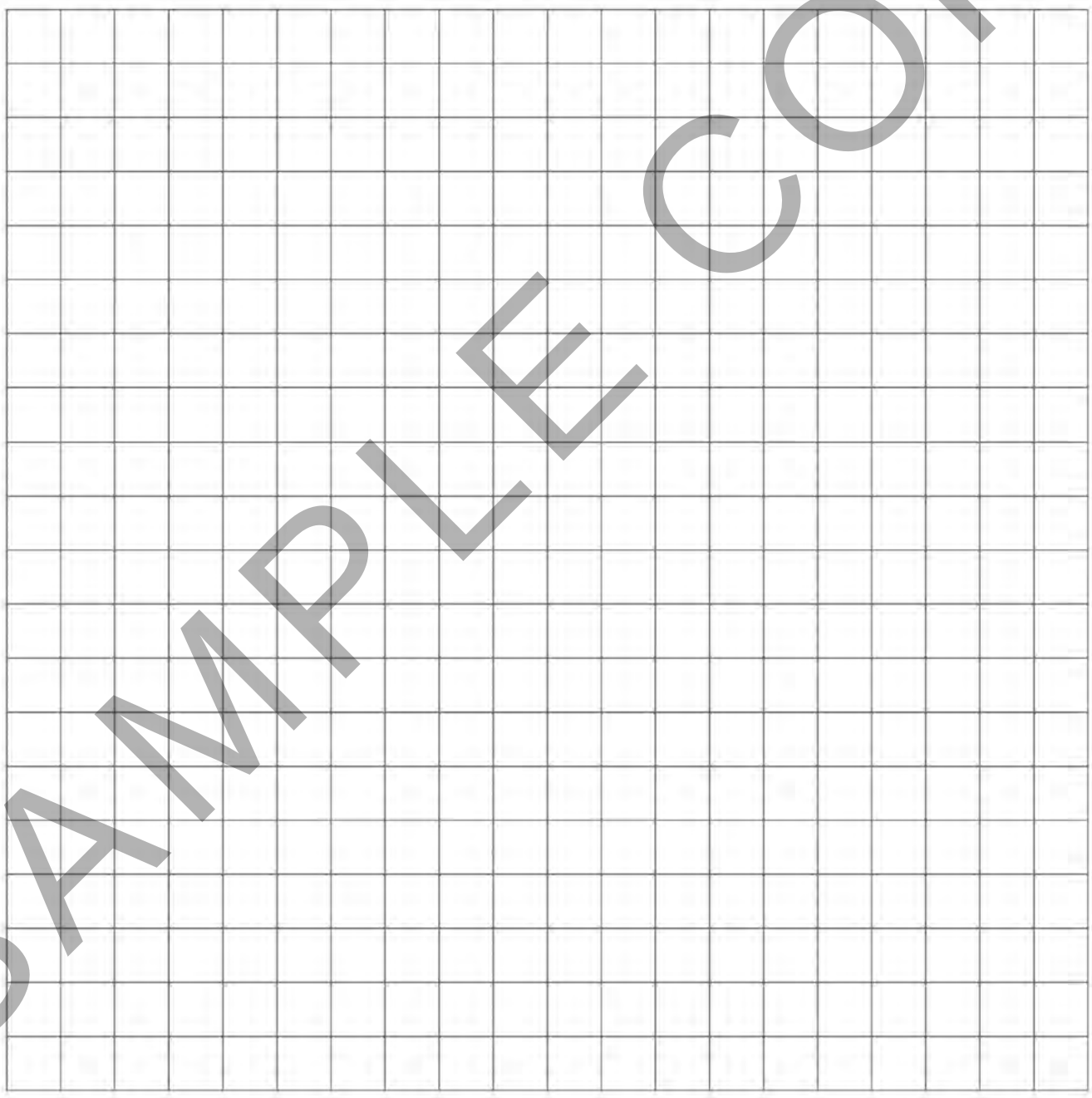
SAMPLE COPY

0	0
10	10

SAMPLE COPY

Directions:

- Both partners choose different colors to write with.
- On your turn:
  - Spin each spinner.
  - Shade in a rectangular area to represent the product of the 2 numbers.
- If your product won't fit on the gameboard, roll and spin again.
- Take turns until the grid can't be filled with any more rectangles.
- Each partner finds their total area on the grid. The partner with the greater area wins.



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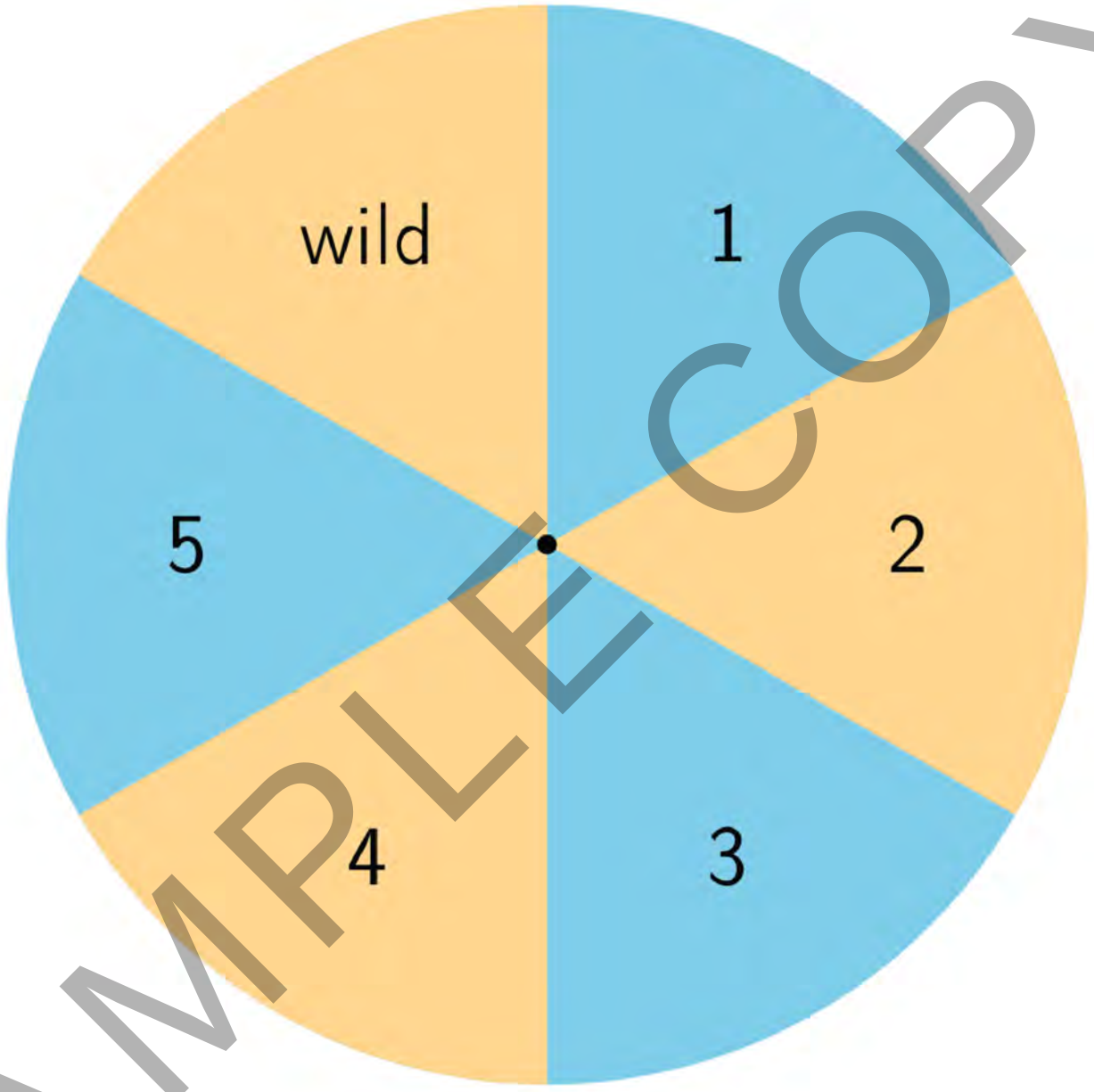

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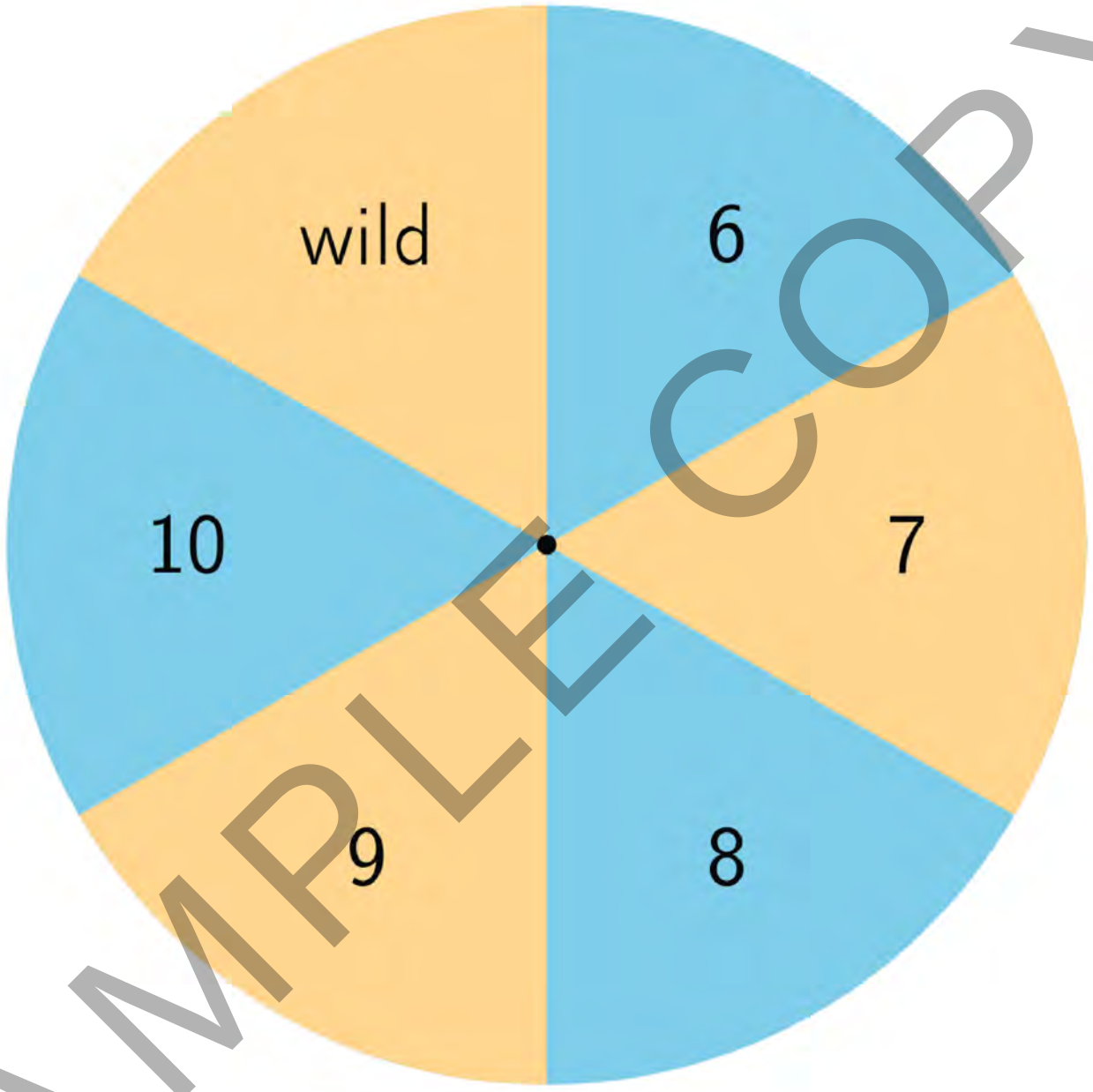

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Find the Match
A

$4 \times ? = 28$

Find the Match
B

Find the Match
C

Find the Match
D

$64 \div 8 = ?$

Find the Match
E

$56 \div 7 = ?$

Find the Match
F

$21 \div 3 = ?$

Find the Match
G

Find the Match
H

$54 \div 6 = ?$

Find the Match
I

$96 \div 24 = ?$

Find the Match
J

$99 \div 9 = ?$

Find the Match
K

$8 \times ? = 64$

Find the Match
L

SAMPLE COPY

Find the Match
M

$48 \div 3 = ?$

Find the Match
N

$36 \div 3 = ?$

Find the Match
O

Find the Match
P

$42 \div 6 = ?$

Find the Match
Q

$81 \div 9 = ?$

Find the Match
R

Find the Match
S

$28 \div 4 = ?$

Find the Match
T

Find the Match
U

Find the Match
V

$? \times 7 = 56$

Find the Match
W

$72 \div 4 = ?$

Find the Match
X

SAMPLE COPY