IMKH California

GRADE 5

Teacher Resource Copy Masters

UNITS 3-4

Illustrative Mathematics LEARN MATH FOR LIFE | Kendall Hunt

Book 2

Certified by Illustrative Mathematics®

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GRADE 5

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 Grade5.3.15.1	Card Sort Fraction Division Cards	2	no	yes	no	no	no	no
Activity Grade5.3.17.1	Info Gap Tiles Cards	2	no	yes	no	no	no	no
Activity Grade5.3.20.1	Recipe and Fractions Handout	4	no	no	no	no	no	no

Card Sort: Fraction Division
A

$3 \div \frac{1}{3}$

Card Sort: Fraction Division
B

$3 \div \frac{1}{4}$

Card Sort: Fraction Division
C

$4 \div \frac{1}{2}$

Card Sort: Fraction Division
D

$4 \div \frac{1}{3}$

Card Sort: Fraction Division
E

Jada has 3 cups of granola. One serving of granola is $\frac{1}{3}$ cup. How many servings of granola does Jada have?

Card Sort: Fraction Division
F

Noah has 3 liters of orange juice. A serving of orange juice is $\frac{1}{4}$ liter. How many servings of orange juice does Noah have?

Card Sort: Fraction Division
G

Priya wants to run 4 miles. The track is $\frac{1}{2}$ mile long. How many times does she have to run around the track?

Card Sort: Fraction Division
H

Noah cut a 4 foot long ribbon into pieces that are $\frac{1}{3}$ foot long. How many pieces are there?

Card Sort: Fraction Division
I

$\frac{1}{3} \div 3$

Card Sort: Fraction Division
J

$\frac{1}{4} \div 3$

Card Sort: Fraction Division
K

$\frac{1}{2} \div 4$

Card Sort: Fraction Division
L

$\frac{1}{3} \div 4$

Card Sort: Fraction Division
M

Jada, Kiran, and Han share $\frac{1}{3}$ a pan of macaroni and cheese equally. How much macaroni and cheese does each person get?

Card Sort: Fraction Division
N

Clare, Priya, and Mai share $\frac{1}{4}$ pound of granola equally. How much granola does each person get?

Card Sort: Fraction Division
O

The track team runs a $\frac{1}{2}$ mile relay. There are 4 team members and they each run the same distance. How many miles does each person run?

Card Sort: Fraction Division
P

$\frac{1}{4} \div 2$

Info Gap: Tiles

Problem Card 1

Elena is covering the floor with rectangular tiles.

How many tiles will Elena need to cover the floor?

Info Gap: Tiles

Data Card 1

- The floor is a square.
- The length of one side of the floor is 8 feet.
- One side of the tiles is $\frac{1}{3}$ foot.
- One side of the tiles is $\frac{1}{2}$ foot.
- The area of the floor is 64 square feet.

Info Gap: Tiles

Problem Card 2

Mai is covering part of the bathroom wall with rectangular tiles.

How many boxes of tiles does Mai need? How many tiles will she have left over?

Info Gap: Tiles

Data Card 2

- Each box has 42 tiles.
- The wall space is a rectangle. It is 8 feet long and $6\frac{1}{2}$ feet wide.
- Each tile is 1 foot long and $\frac{1}{4}$ foot wide.
- Each box of tiles covers $10\frac{1}{2}$ square feet.

Yellow Cake

Ingredients

- $\frac{3}{4}$ cup soft butter
- 3 eggs
- $2\frac{1}{2}$ cups flour
- $2\frac{1}{2}$ teaspoons baking powder
- $\frac{1}{2}$ teaspoon salt
- $1\frac{3}{4}$ cups sugar
- $1\frac{1}{2}$ teaspoons vanilla
- $1\frac{1}{4}$ cups ice cold milk

Preparation

1. Bring butter and eggs to room temperature.
2. Combine dry ingredients in a bowl. Set ingredients aside.
3. Whip butter until light and fluffy.
4. While the mixer is running, add sugar a little at a time until it's blended with the fluffy butter. This should take 2–3 minutes.
5. Add eggs and beat for 2 more minutes.
6. Finally, add dry ingredients and milk. First, add some flour and beat until no more flour is visible. Then add milk and repeat.
7. Bake at 375 degrees for 35 minutes in a greased 9 inch by 13 inch pan.

GRADE 5

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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 Grade5.4.3.1	Partial Products Everywhere Cards	2	no	yes	no	no	no	no
Activity Grade5.4.7.1	Number Cards 0–10	2	no	yes	yes	no	yes	yes
Activity Grade5.4.7.1	Greatest Product Handout	1	yes	no	no	no	no	no
Activity Grade5.4.10.1	Division Expressions Cards	2	no	yes	no	no	no	no

Partial Products Everywhere

40×30

Partial Products Everywhere

5×30

Partial Products Everywhere

200×5

Partial Products Everywhere

40×5

Partial Products Everywhere

5×5

Partial Products Everywhere

200×35

Partial Products Everywhere

40×35

Partial Products Everywhere

200×30

Partial Products Everywhere

245×30

Partial Products Everywhere

245×5

Partial Products Everywhere

240×30

Partial Products Everywhere

5×35

Partial Products Everywhere

240×5

Partial Products Everywhere

205×5

Partial Products Everywhere

205×30

Partial Products Everywhere

45×5

Partial Products Everywhere

45×30

Partial Products Everywhere

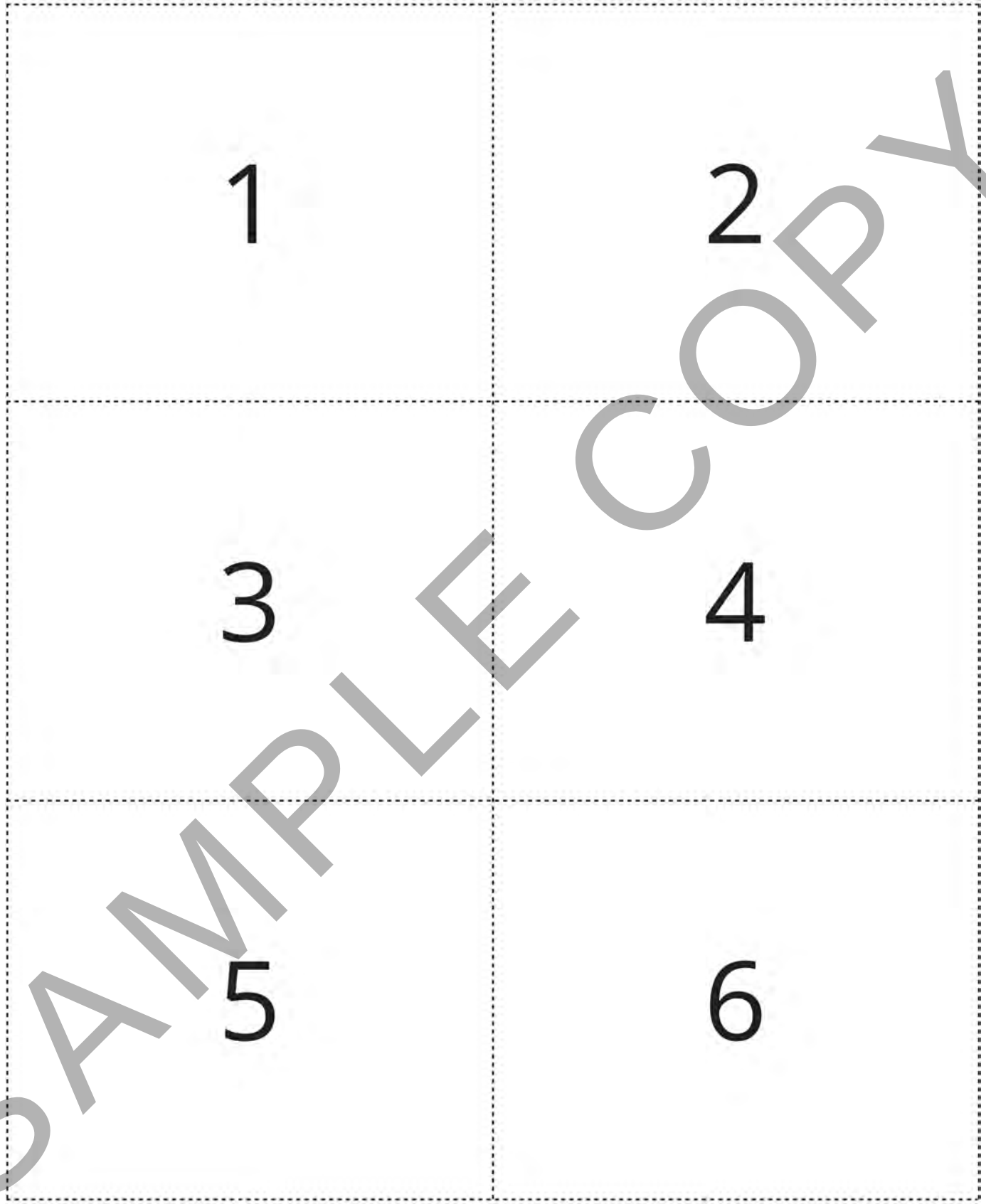
240×35

Partial Products Everywhere

45×55

Partial Products Everywhere

205×35



7	8
9	1
2	3

4	5
6	7
8	9

0	0
10	10

Directions:

- Each partner uses their own handout.
- Partner A: Choose a number card. Write the number in one of the blanks for Round 1.
- Partner B: Choose a number card. Write the number in one the blanks for Round 1.
- Repeat until each partner has a 2-digit by 3-digit multiplication problem.
- Find the product.
- The partner with the greater product wins a point.
- The partner with more points after 5 rounds wins the game.

round		workspace	points
1	☐☐☐ x ☐☐		
2	☐☐☐ x ☐☐		
3	☐☐☐ x ☐☐		
4	☐☐☐ x ☐☐		
5	☐☐☐ x ☐☐		

Division Expressions

$100 \div 14$

Division Expressions

$200 \div 14$

Division Expressions

$188 \div 14$

Division Expressions

$140 \div 14$

Division Expressions

$28 \div 14$

Division Expressions

$70 \div 14$

Division Expressions

$8 \div 14$

Division Expressions

$70 \div 14$

Division Expressions

$140 \div 14$

Division Expressions

$8 \div 14$

Division Expressions

$300 \div 14$

Division Expressions

$108 \div 14$

Division Expressions

$70 \div 14$

Division Expressions

$120 \div 14$

Division Expressions

$140 \div 14$

Division Expressions

$14 \div 14$

Division Expressions

$20 \div 14$

Division Expressions

$70 \div 14$

Division Expressions

$300 \div 14$

Division Expressions

$288 \div 14$

Division Expressions

$100 \div 14$

Division Expressions

$28 \div 14$

Division Expressions

$280 \div 14$

Division Expressions

$28 \div 14$

Division Expressions

$300 \div 14$

Division Expressions

$154 \div 14$

Division Expressions

$100 \div 14$

Division Expressions

$188 \div 14$

Division Expressions

$28 \div 14$

Division Expressions

$28 \div 14$

Division Expressions

$28 \div 14$

Division Expressions

$154 \div 14$