

ADDING & SUBTRACTING FRACTIONS



4 MINI-LESSONS

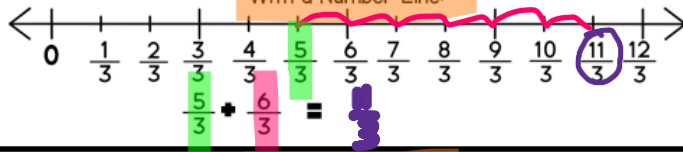
Add & Subtract Improper Fractions

$$\frac{8}{4} + \frac{6}{4} = \frac{14}{4}$$

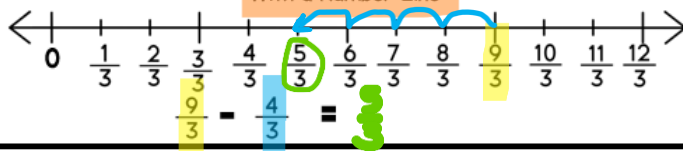
With a Picture:

$$\frac{8}{4} - \frac{6}{4} = \frac{2}{4}$$

With a Number Line:



With a Number Line:



You Try:

$$\frac{12}{10} + \frac{10}{10} = \frac{22}{10}$$

$$\frac{9}{2} - \frac{7}{2} = \frac{2}{2}$$

Add and Subtract Mixed Numbers

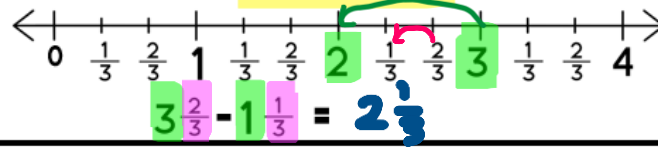
Add With a Picture:

$$2\frac{4}{6} + 3\frac{1}{6} = 5\frac{5}{6}$$

Subtract With a Picture:

$$7\frac{3}{10} - 2\frac{5}{10} = 4\frac{8}{10}$$

With a Number Line:



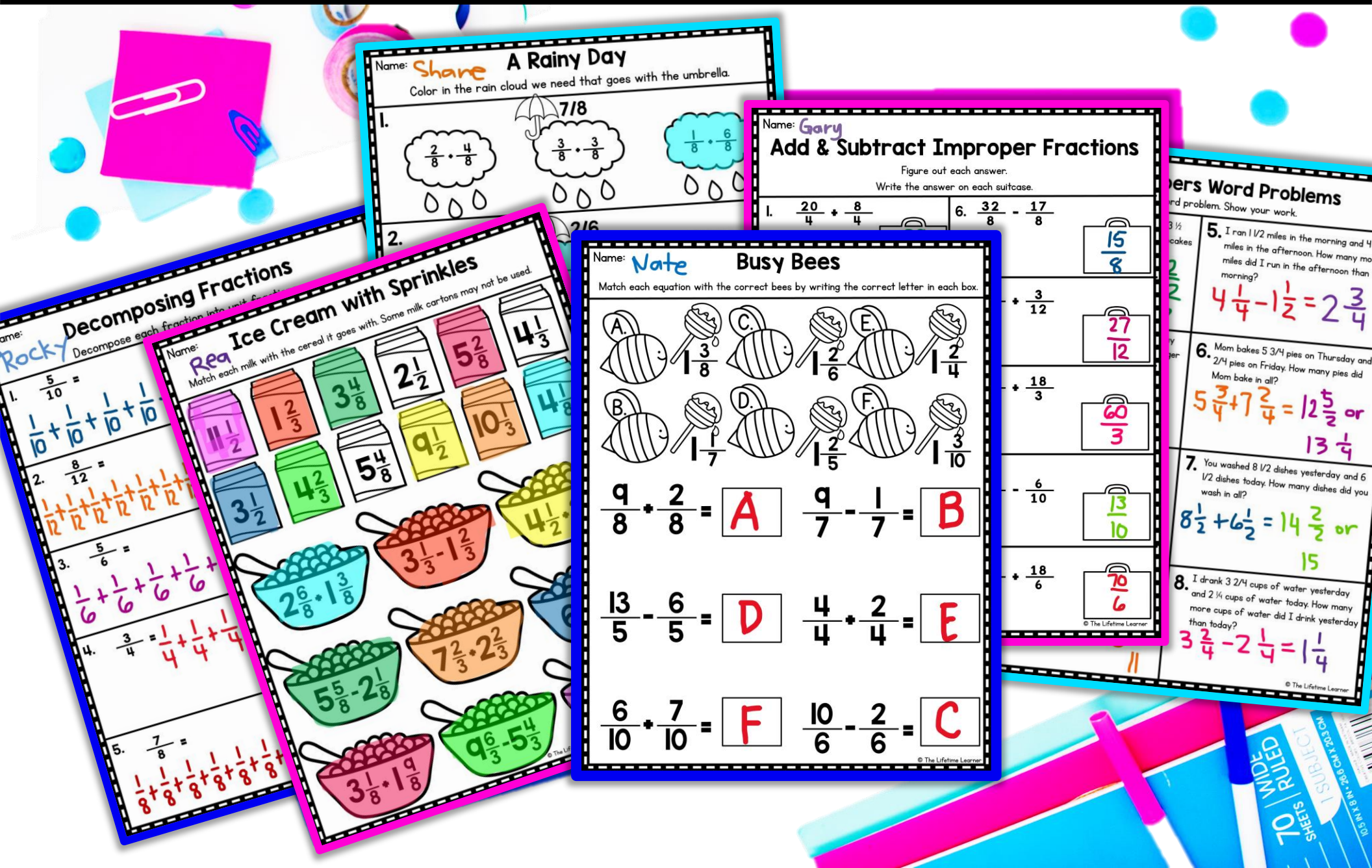
You Try:

$$5\frac{3}{12} + 2\frac{4}{12} = 7\frac{7}{12}$$

$$8\frac{1}{5} - 4\frac{3}{5} = 3\frac{3}{5}$$

- decompose fractions
- add and subtract fractions
- add and subtract improper fractions
- add and subtract mixed numbers

15 WORKSHEETS



Name: **Share** **A Rainy Day**
Color in the rain cloud we need that goes with the umbrella.

1. $\frac{2}{8} + \frac{4}{8}$ $\frac{3}{8} + \frac{3}{8}$ $\frac{1}{8} + \frac{6}{8}$

2. $\frac{2}{6}$

Name: **Gary** **Add & Subtract Improper Fractions**
Figure out each answer.
Write the answer on each suitcase.

1. $\frac{20}{4} + \frac{8}{4}$ $\frac{32}{8} - \frac{17}{8}$

2. $\frac{15}{8}$ $\frac{27}{12}$ $\frac{60}{3}$ $\frac{13}{10}$ $\frac{70}{6}$

Name: **Rocky** **Decomposing Fractions**
Decompose each fraction into unit fractions.

1. $\frac{5}{10} = \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

2. $\frac{8}{12} = \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

3. $\frac{5}{6} = \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

4. $\frac{3}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

5. $\frac{7}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

Name: **Rea** **Ice Cream with Sprinkles**
Match each milk with the cereal it goes with. Some milk cartons may not be used.

1. $1\frac{1}{2}$ $1\frac{2}{3}$ $3\frac{4}{8}$ $2\frac{1}{2}$ $5\frac{2}{8}$ $4\frac{1}{3}$ $4\frac{1}{8}$ $3\frac{1}{2}$ $4\frac{2}{3}$ $5\frac{4}{8}$ $9\frac{1}{2}$ $10\frac{1}{3}$ $4\frac{1}{2}$ $2\frac{6}{8} + 1\frac{3}{8}$ $3\frac{1}{3} - 1\frac{2}{3}$ $7\frac{2}{3} + 2\frac{2}{3}$ $5\frac{5}{8} - 2\frac{1}{8}$ $9\frac{6}{3} - 5\frac{4}{3}$ $3\frac{1}{8} + 1\frac{9}{8}$

Name: **Nate** **Busy Bees**
Match each equation with the correct bees by writing the correct letter in each box.

A. $\frac{9}{8} + \frac{2}{8} =$ **A** $\frac{9}{7} - \frac{1}{7} =$ **B** $\frac{13}{5} - \frac{6}{5} =$ **D** $\frac{4}{4} + \frac{2}{4} =$ **E** $\frac{6}{10} + \frac{7}{10} =$ **F** $\frac{10}{6} - \frac{2}{6} =$ **C**

Word Problems
Read the problem. Show your work.

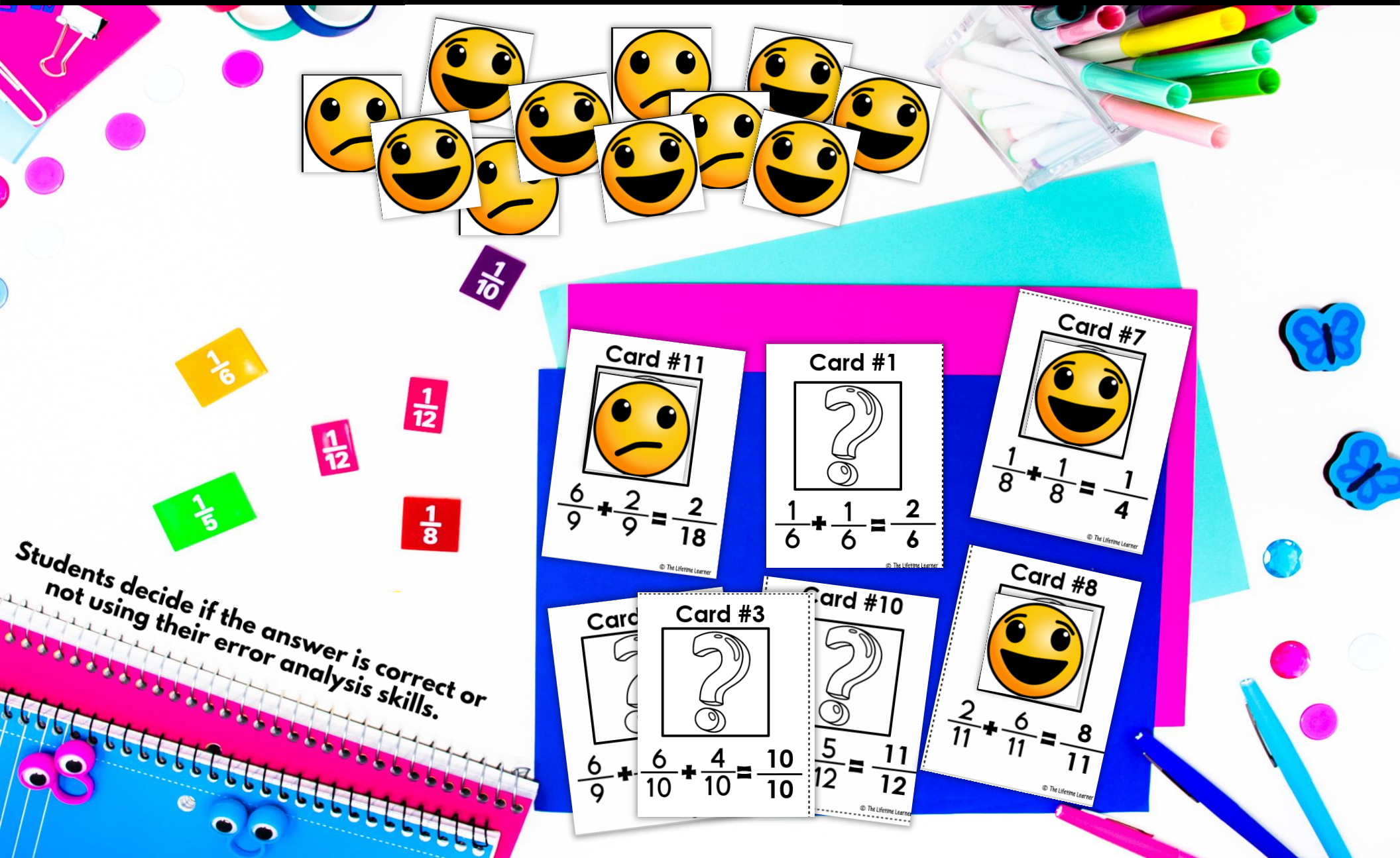
5. I ran $1\frac{1}{2}$ miles in the morning and $4\frac{1}{4}$ miles in the afternoon. How many more miles did I run in the afternoon than morning?
 $4\frac{1}{4} - 1\frac{1}{2} = 2\frac{3}{4}$

6. Mom bakes $5\frac{3}{4}$ pies on Thursday and $2\frac{1}{4}$ pies on Friday. How many pies did Mom bake in all?
 $5\frac{3}{4} + 2\frac{1}{4} = 8$

7. You washed $8\frac{1}{2}$ dishes yesterday and $6\frac{1}{2}$ dishes today. How many dishes did you wash in all?
 $8\frac{1}{2} + 6\frac{1}{2} = 15$

8. I drank $3\frac{2}{4}$ cups of water yesterday and $2\frac{1}{4}$ cups of water today. How many more cups of water did I drink yesterday than today?
 $3\frac{2}{4} - 2\frac{1}{4} = 1\frac{1}{4}$

MATH SORT



Students decide if the answer is correct or not using their error analysis skills.

Card #11


$$\frac{6}{9} + \frac{2}{9} = \frac{2}{18}$$

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Card #1


$$\frac{1}{6} + \frac{1}{6} = \frac{2}{6}$$

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Card #7


$$\frac{1}{8} + \frac{1}{8} = \frac{1}{4}$$

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Card #3


$$\frac{6}{9} + \frac{6}{10} + \frac{4}{10} = \frac{10}{10}$$

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Card #10


$$\frac{5}{12} = \frac{11}{12}$$

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Card #8


$$\frac{2}{11} + \frac{6}{11} = \frac{8}{11}$$

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TASK CARDS

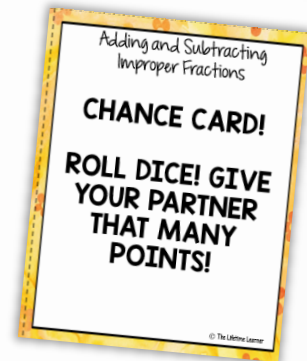
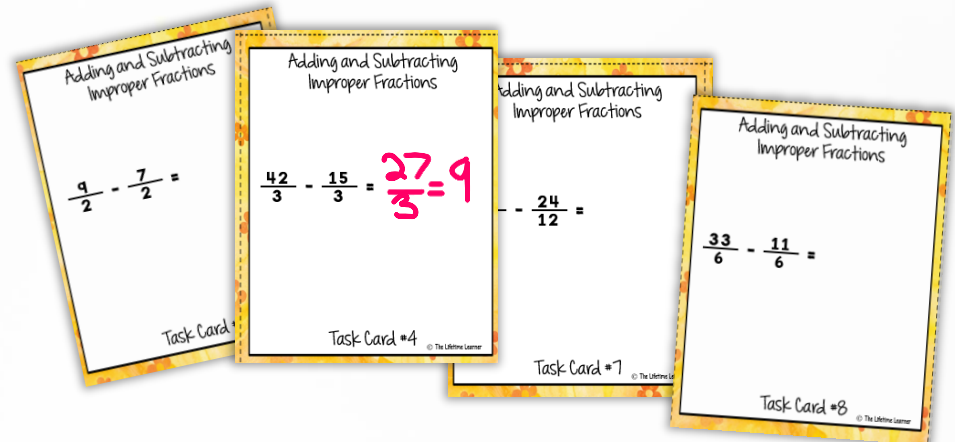
students solve task cards and record answers on their recording sheet

Recording Sheet

Adding and Subtracting Improper Fractions with Like Denominators

#1	#2	#3	#4 9
#5	#6	#7	#8
#9	#10	#11	#12
#13	#14	#15	#16
#17	#18	#19	#20
#21	#22	#23	#24

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chance cards are included to spice up gameplay

CUT & PASTE ACTIVITY

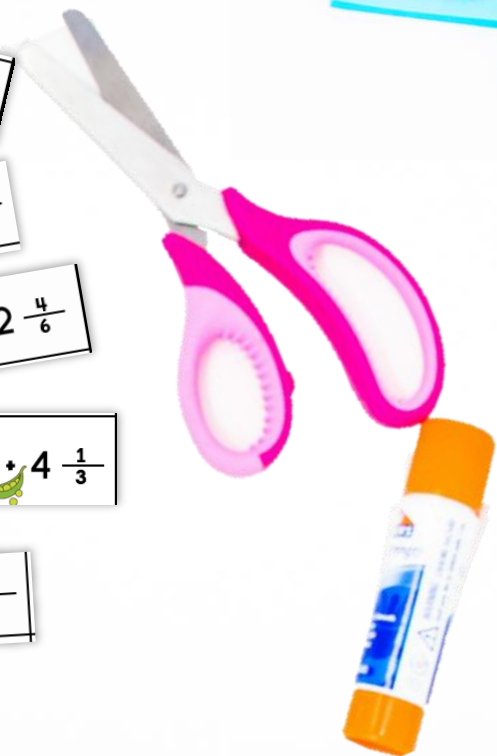
Fraction Foods!

Mrs. Smith makes a shopping list of how much of each food she needs. Unfortunately, the list gets mixed up and she doesn't know which food goes with which amount. Help her solve each equation so she knows which food goes with each amount!

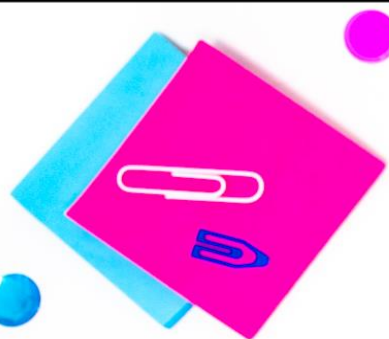
$3 \frac{2}{8}$		$1 \frac{10}{12}$
2	$5 \frac{8}{10} + 2 \frac{2}{10}$	8
$9 \frac{1}{5}$		$2 \frac{2}{6}$
$7 \frac{1}{4}$	$3 \frac{4}{5} + 4 \frac{2}{5}$	$8 \frac{1}{5}$
$5 \frac{2}{4}$		$7 \frac{1}{10}$
$7 \frac{2}{3}$		$\frac{4}{6}$
$2 \frac{1}{8}$	$6 \frac{3}{8} - 4 \frac{2}{8}$	6

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$4 \frac{3}{12} - 2 \frac{3}{12}$ (grapes)
 $7 \frac{3}{5} + 1 \frac{3}{5}$ (lemon)
 $2 \frac{3}{4} + 4 \frac{2}{4}$ (candy)
 $3 \frac{3}{4} + 1 \frac{3}{4}$ (cherry)
 $3 \frac{2}{6} - 2 \frac{4}{6}$ (cheese)
 $2 \frac{1}{3} + 5 \frac{1}{3}$ (burger)
 $1 \frac{2}{3} + 4 \frac{1}{3}$ (peach)
 $8 \frac{1}{6} - 5 \frac{5}{6}$ (lemon)



GAME #1



LINE THEM UP!

START!

$$2\frac{1}{2} + 2\frac{1}{2}$$

Answer: 5

$$1\frac{1}{4} + 5\frac{3}{4}$$

Answer: 7

$$\frac{1}{6} + 3\frac{3}{6}$$

Answer: $3\frac{4}{6}$

$$3\frac{2}{8} + 4\frac{7}{8}$$

Answer: $8\frac{1}{8}$

$$2\frac{2}{3} + 6\frac{1}{3}$$

LINE THEM UP!

Answer: 4

FINISH!

2 VERSIONS:
-add mixed numbers
-subtract mixed numbers

LINE THEM UP!

START!

$$9\frac{2}{3} - 7\frac{2}{3}$$

Answer: 2

$$6\frac{5}{8} - 4\frac{3}{8}$$

Answer: $2\frac{2}{8}$

$$2\frac{1}{2} - 2\frac{1}{2}$$

Answer: 0

$$8\frac{2}{3} - 3\frac{1}{3}$$

Answer: $5\frac{1}{3}$

$$5\frac{5}{6} - 3\frac{4}{6}$$

LINE THEM UP!

Answer: $5\frac{4}{8}$

FINISH!

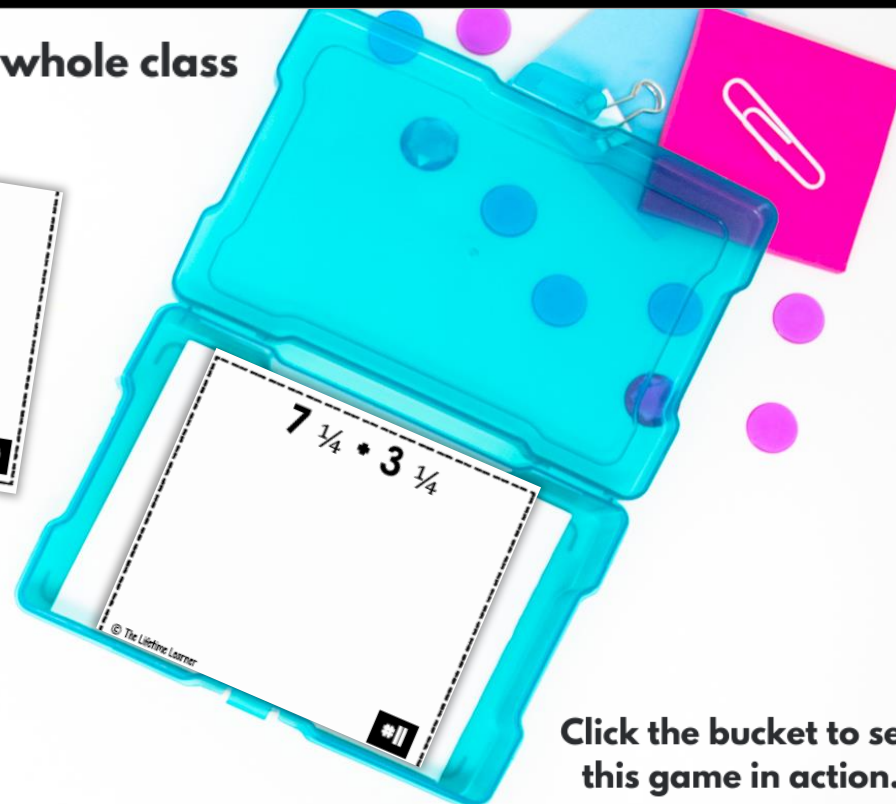
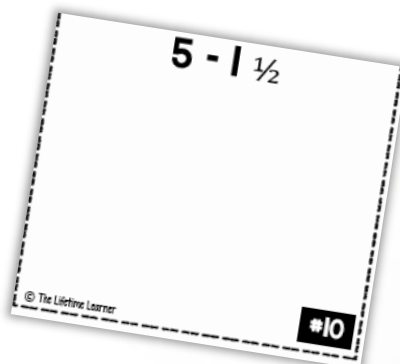
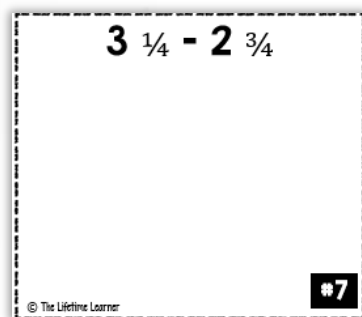
HOW TO PLAY:

- Students pair up in teams.
- Students race to line up their cards in order before the other team.



GAME #2

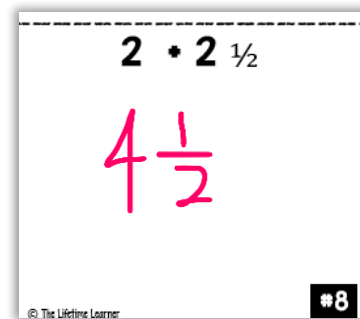
the perfect game to play with the whole class



Click the bucket to see this game in action.

HOW TO PLAY:

1. Students answer task cards.
2. If they get it right, they drop it in the bucket.
3. Students play for a set amount of time.
4. At the end of gameplay, the teacher draws task cards out of the bucket.
5. Any student whose task card gets pulled out gets a small prize.



GAME #3

FOR 2-4 PLAYERS



HOW TO PLAY:

1. All players receive a game mat.
2. Students answer a question card.
3. If they are correct, they earn an item.
4. The first person to earn 10 items wins.
5. Chance cards included to spice up gameplay.

**add and subtract
mixed numbers game**

Find the answer:
Henry cuts wood to build a barn. He cuts a piece that is $3\frac{2}{5}$ feet across for the barn door and cuts a piece that is $10\frac{4}{5}$ feet long for the side. How much wood did he use in all?

#17 $14\frac{1}{5}$

Find the answer:
There are $9\frac{6}{10}$ pieces of chicken on the table. Jose comes by and eats $2\frac{9}{10}$ pieces. How much chicken is still on the table?

#18

Find the answer:
Sarah's family has a sofa that measures $7\frac{3}{8}$ feet long. Sarah, a little girl, is laying across it and covers up $3\frac{7}{8}$ feet of the sofa. How much of the sofa is not being used?

#19

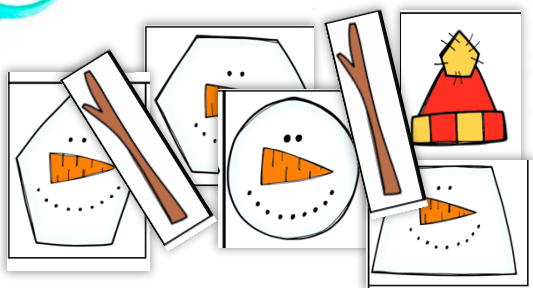


Chance Card!
To
Chance Card!
Take 1 piece from the middle.
Chance Card!
Take a piece from the middle and give it to another player.
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GAME #4

FOR 2-4 PLAYERS



HOW TO PLAY:

1. All players receive a game mat.
2. Students answer a question card.
3. If they are correct, they earn an item.
4. The first person to earn 10 items wins.
5. Chance cards included to spice up gameplay.

**add & subtract
fractions game**

Card #4

$$\frac{8}{10} + \frac{2}{10}$$

$\frac{10}{10} = 1$

Card #1

$$\frac{1}{6} + \frac{1}{6}$$

Card #2

$$\frac{1}{7} + \frac{5}{7}$$



BUY THE BUNDLE AND SAVE BIG!

4TH GRADE MATH BUNDLE

Partial Products
Name: *ericka*
Use your knowledge of partial products to solve each equation.

1. Equations: $2 \times 5,096$
 $5000 \times 2 = 10000$
 $0 \times 2 = 0$
 $90 \times 2 = 180$
 $6 \times 2 = 12$

2. Equations: $4 \times 8,923$
 $8000 \times 4 = 32000$
 $900 \times 4 = 3600$
 $20 \times 4 = 80$
 $3 \times 4 = 12$

3. Equations: $8 \times 5,624$
 $5000 \times 8 = 40000$
 $600 \times 8 = 4800$
 $20 \times 8 = 160$
 $4 \times 8 = 32$

4. Equations: $5 \times 2,089$
 $2000 \times 5 = 10000$
 $0 \times 5 = 0$
 $80 \times 5 = 400$
 $9 \times 5 = 45$

My Space Scene
To win, you must have 10 items in your space scene.
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6000+ PAGES

GAMES **ACTIVITIES** **WORKSHEETS**

YOU MAY ALSO LIKE:

RACE CAR driver <<<<<< **add & subtract fractions**
4.NF.3



4th GRADE <<<<<<
EDITABLE
ROOM TRANSFORMATION
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DONUT shop <<<<<< **add and subtract MIXED NUMBERS**
4.NF.3C



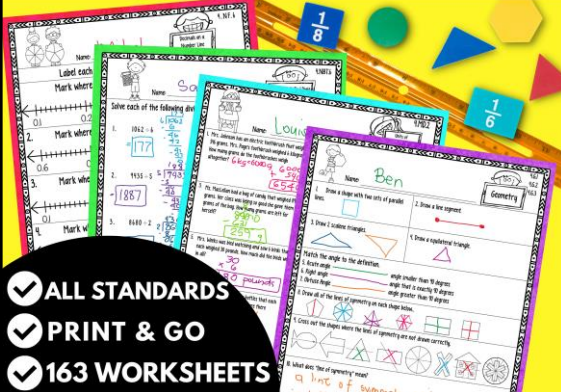
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DETECTIVE day <<<<<< **fraction review**
4.NF.1-4.NF.7



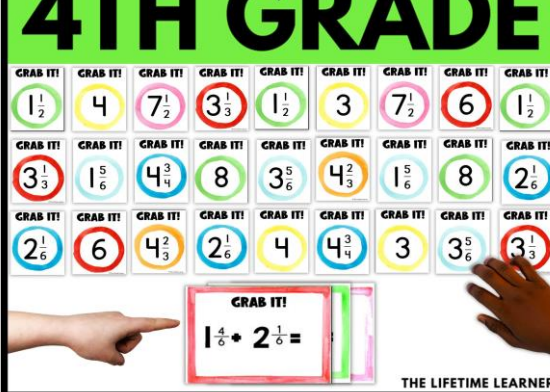
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4TH GRADE WORKSHEET BUNDLE



✓ ALL STANDARDS
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✓ 163 WORKSHEETS

GRAB IT! 35 MATH GAMES
4TH GRADE



GRAB IT!
 $1\frac{4}{8} + 2\frac{1}{8} =$

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