

CONVERTING MIXED NUMBERS & IMPROPER FRACTIONS

Convert Improper Fractions to Mixed Numbers

Example: $\frac{27}{6} = 4\frac{3}{6} = 4\frac{1}{2}$

With the Teacher: $\frac{36}{8} = 4\frac{4}{8} = 4\frac{1}{2}$

You Try: $\frac{25}{3} = 8\frac{1}{3}$

The Swimming Pool

To win, you must have 10 items in the swimming pool.

What improper fraction does the chicken represent?

$7\frac{1}{4} =$

Converting Improper Fractions

Name: *Ruby*

Figure out the mistake that is wrong in the space provided.

Question: Convert

Joanna's Work:

What did Joanna do?

You're the Teacher!

Tell if each problem is correctly converted. If the answer is correct, write 'correct'. If not, write the correct answer.

Problem	Answer
1. $8\frac{4}{10} = \frac{84}{10}$	correct
2. $7\frac{3}{12} = \frac{12}{87} = \frac{87}{12}$	incorrect
3. $3\frac{1}{6} = \frac{19}{6}$	correct
4. $4\frac{2}{4} = \frac{18}{4}$	correct
5. $\frac{14}{8} = 1\frac{1}{4}$	incorrect
6. $\frac{25}{6} = 5\frac{1}{6} = 4\frac{1}{6}$	incorrect
7. $\frac{42}{8} = 4\frac{2}{8} = 5\frac{2}{8}$	incorrect
8. $\frac{38}{10} = 3\frac{5}{10} = 3\frac{8}{10}$	incorrect
9. $\frac{19}{2} = 8\frac{1}{2} = 9\frac{1}{2}$	incorrect

THE LIFETIME LEARNER

- ✓ GAMES
- ✓ ACTIVITIES
- ✓ WORKSHEETS

4 MINI-LESSONS

Convert Improper Fractions to Mixed Numbers

$$\frac{10}{4} = 2\frac{3}{4} = 2\frac{1}{2}$$



Example:

$$\frac{27}{6} = 4\frac{3}{6} = 4\frac{1}{2}$$

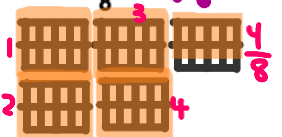


With the Teacher:

$$\frac{18}{5} = 3\frac{3}{5}$$

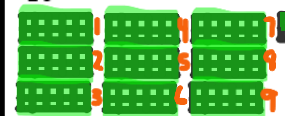


$$\frac{36}{8} = 4\frac{4}{8} = 4\frac{1}{2}$$

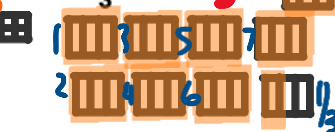


You Try:

$$\frac{91}{10} = 9\frac{1}{10}$$



$$\frac{25}{3} = 8\frac{1}{3}$$



Convert Mixed Numbers to Improper Fractions

Example:

$$2\frac{2}{4} = \frac{10}{4}$$

$$4 \times 2 = 8$$

$$8 + 2 = 10$$

1. Multiply the denominator by the whole number.
2. Add the numerator to your answer.
3. That's your new numerator.
4. Denominator stays the same.

With the Teacher:

$$3\frac{3}{5} = \frac{18}{5}$$

$$5 \times 3 = 15$$

$$15 + 3 = 18$$

$$7 = \frac{7}{1}$$

$$7 \times 1 = 7$$

$$4\frac{4}{8} = \frac{36}{8}$$

$$8 \times 4 = 32$$

$$32 + 4 = 36$$

You Try:

$$10\frac{1}{10} = \frac{101}{10}$$

$$10 \times 10 = 100$$

$$100 + 1 = 101$$

$$7\frac{5}{6} = \frac{47}{6}$$

$$6 \times 7 = 42$$

$$42 + 5 = 47$$

$$8\frac{1}{3} = \frac{25}{3}$$

$$3 \times 8 = 24$$

$$24 + 1 = 25$$

$$\frac{1}{5}$$

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

$$\frac{1}{12}$$

$$\frac{1}{12}$$

$$\frac{1}{8}$$

$$\frac{1}{4}$$

The image displays several overlapping educational worksheets for fraction conversion, decorated with colorful borders and surrounded by school supplies like a paperclip, tape, and polka dots.

Worksheet 1: Converting Improper Fractions Error Analysis
 Name: *Ruby*
 Question: Convert $\frac{24}{8}$
 Figure out the mistake that was made in the work below and write the correct answer in the space provided.

Worksheet 2: Convert Mixed Numbers to Improper Fractions
 Name: *Nate*
 Convert each mixed number into an improper fraction.

- $7\frac{2}{4} = \frac{30}{4}$
- $11\frac{2}{6} = \frac{68}{6}$
- $9\frac{4}{12} = \frac{112}{12}$
- $2\frac{2}{5} = \frac{12}{5}$
- $5\frac{3}{10} = \frac{53}{10}$
- $12\frac{5}{8} = \frac{101}{8}$
- $8\frac{6}{12} = \frac{102}{12}$
- $2\frac{1}{3} = \frac{7}{3}$
- $6\frac{4}{10} = \frac{64}{10}$
- $7\frac{2}{8} = \frac{53}{8}$

Worksheet 3: Converting Fractions with Pictures
 Name: *KC*
 Convert each improper fraction into a mixed number. Use the pictures to help you.

- $\frac{29}{4} = 7\frac{1}{4}$
- $\frac{19}{6} = 3\frac{1}{6}$
- $\frac{15}{2} = 7\frac{1}{2}$
- $\frac{27}{5} = 5\frac{2}{5}$
- $\frac{14}{8} = 1\frac{6}{8}$
- $\frac{64}{8} = 8$
- $\frac{82}{12} = 6\frac{10}{12}$
- $\frac{43}{3} = 14\frac{1}{3}$
- $\frac{35}{10} = 3\frac{5}{10}$
- $\frac{58}{6} = 9\frac{4}{6}$

Worksheet 4: Mark or Linda?
 Tell if Mark or Linda is correct in each problem below when converting the fractions.

- $5\frac{1}{10} = \frac{51}{100}$ (Mark says)
- $\frac{5}{2} = 2\frac{1}{2}$ (Linda says $2\frac{1}{2}$)
- $\frac{25}{6} = 5\frac{1}{6}$ (Mark says $4\frac{1}{6}$)
- $\frac{42}{8} = 4\frac{2}{8}$ (Linda says $5\frac{2}{8}$)
- $\frac{38}{10} = 3\frac{5}{10}$ (Mark says $3\frac{8}{10}$)
- $\frac{19}{2} = 8\frac{1}{2}$ (Linda says $9\frac{1}{2}$)
- $\frac{111}{12} = 9\frac{3}{12}$ (Mark says $9\frac{3}{12}$)

Worksheet 5: the Teacher!
 If the answer is wrong, fix it.

- $\frac{25}{6} = 5\frac{1}{6}$ (Incorrect, should be $4\frac{1}{6}$)
- $\frac{42}{8} = 4\frac{2}{8}$ (Incorrect, should be $5\frac{2}{8}$)
- $\frac{38}{10} = 3\frac{5}{10}$ (Incorrect, should be $3\frac{8}{10}$)
- $\frac{19}{2} = 8\frac{1}{2}$ (Incorrect, should be $9\frac{1}{2}$)
- $\frac{111}{12} = 9\frac{3}{12}$ (Correct)

Name: Emily **Greatest to Least**

Race a partner _____ person completing each side. Conve
fr _____ er and order them from greatest

Be the Teacher!

...y converted. If the answer is wrong, fi

$2\frac{1}{2} - 1\frac{1}{2} = 1\frac{1}{2}$
 $5\frac{1}{4} - 4\frac{3}{4} = 1\frac{1}{2}$
 $6\frac{2}{8} - 5\frac{3}{8} = 1\frac{1}{4}$
 $7\frac{1}{3} - 6\frac{2}{3} = 1\frac{1}{3}$
 $5\frac{5}{6} - 4\frac{2}{3} = 1\frac{1}{2}$

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the answer is wrong, find

6. $\frac{25}{6} = 5 \frac{1}{6}$ ✗
 $= 4 \frac{1}{6}$

7. $\frac{42}{8} = 4 \frac{2}{8}$ ✗
 $= 5 \frac{2}{8}$

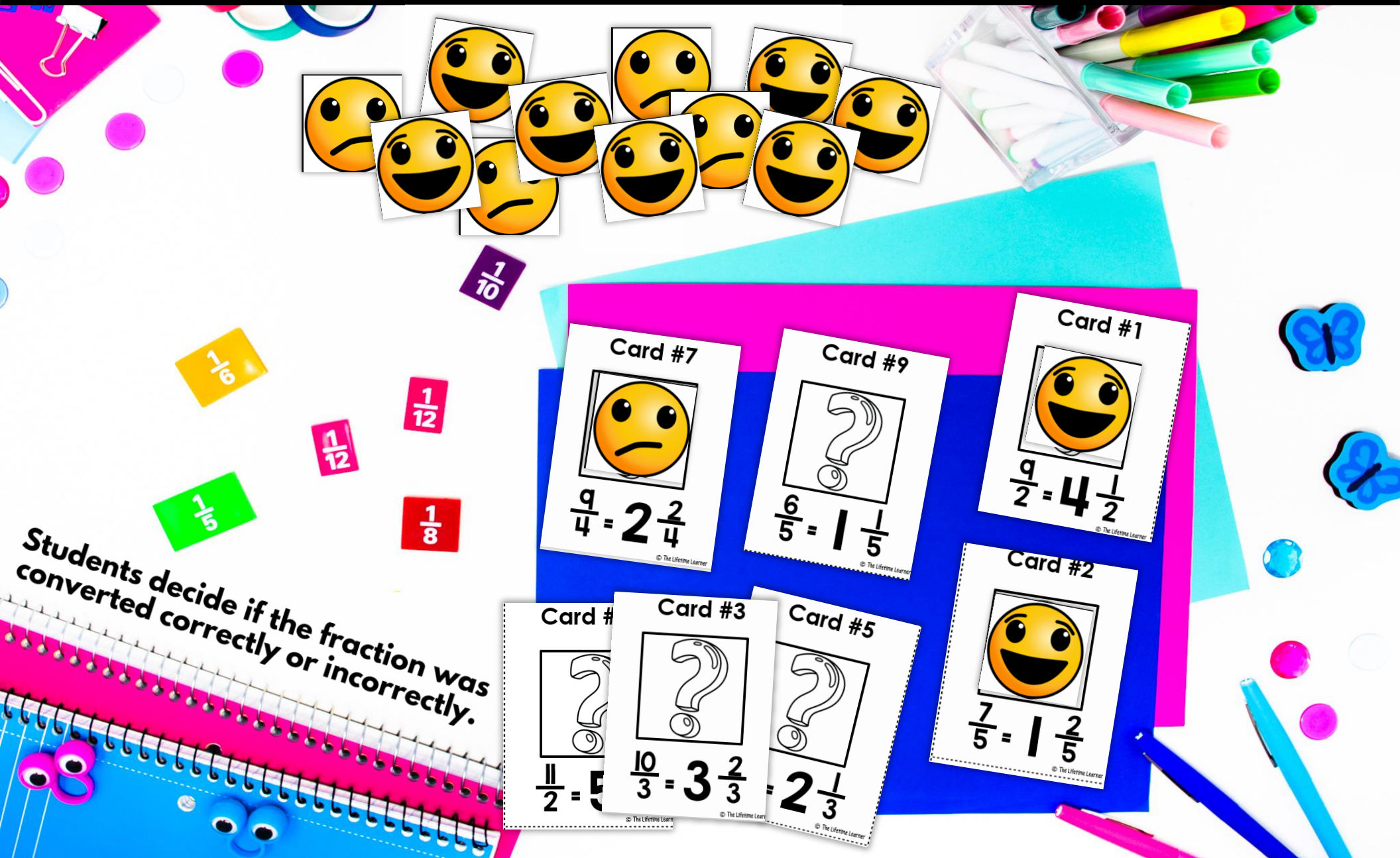
8. $\frac{38}{10} = 3 \frac{5}{10}$ ✗
 $= 3 \frac{8}{10}$

9. $\frac{19}{2} = 8 \frac{1}{2}$ ✗
 $= 9 \frac{1}{2}$

10. $\frac{111}{12} = 9 \frac{3}{12}$
correct

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MATH SORT



TASK CARDS

4 different
ways to play

What improper fraction does the chicken represent?

$7\frac{1}{4} =$



What improper fraction does the goat represent?

$4\frac{2}{3} =$



What improper fraction does the horse represent?

$6\frac{5}{6} =$

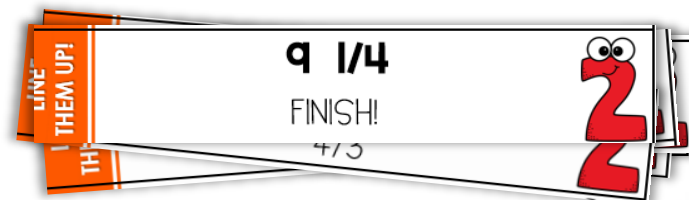
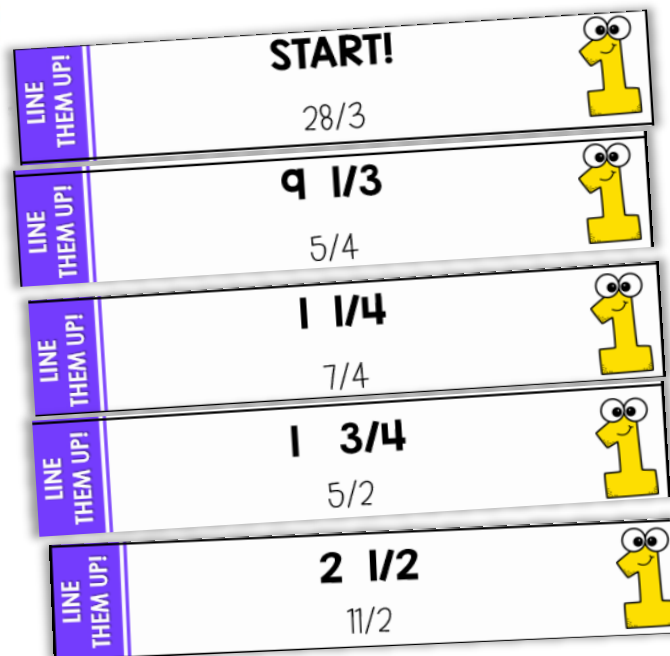
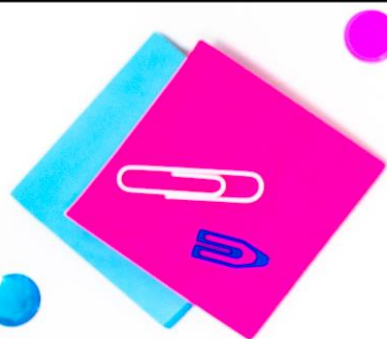


What improper fraction does the duck represent?

$3\frac{1}{2} =$



GAME #1



HOW TO PLAY:

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



GAME #2

Students race in pairs to see which team can solve the most task cards.

Recording Sheet

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

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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.



Convert the improper fraction to a mixed number.

$$\frac{11}{2}$$

#5 $5\frac{1}{2}$

Convert the improper fraction to a mixed number.

$$\frac{12}{5}$$

#7

Convert the improper fraction to a mixed number.

$$\frac{30}{9}$$

#6

Convert the improper fraction to a mixed number.

$$\frac{45}{8}$$

#8

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Chance Card!

To

Chance Card!

Chance Card!

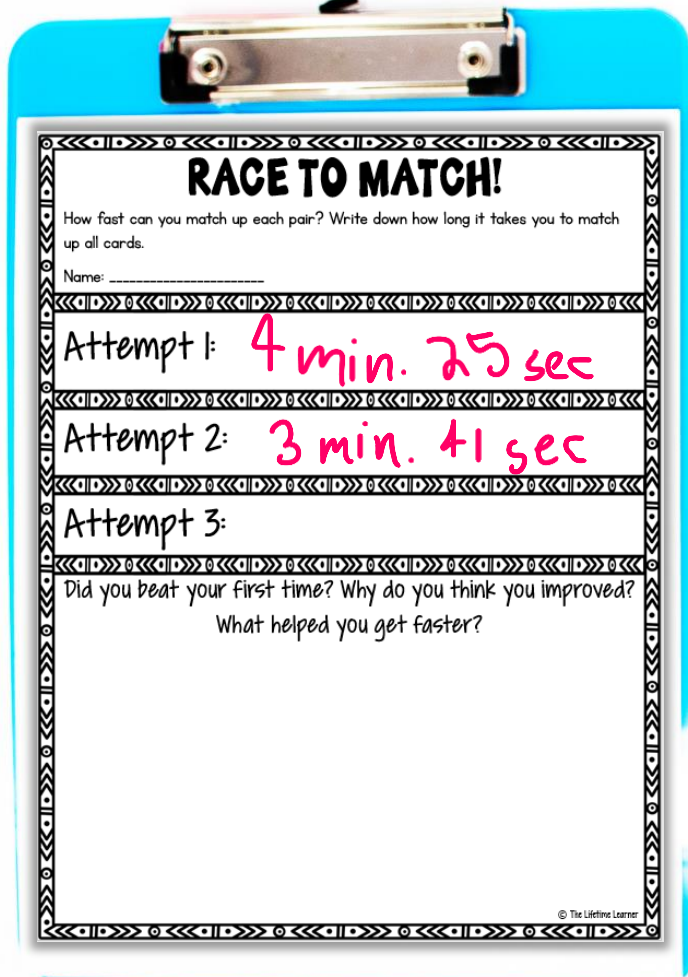
Take 1 piece from the middle.

Take a piece from the middle and give it to the other player.

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GAME #4

Students match up each improper fraction with the correct mixed number.



RACE TO MATCH!

How fast can you match up each pair? Write down how long it takes you to match up all cards.

Name: _____

Attempt 1: 4 min. 25 sec

Attempt 2: 3 min. 41 sec

Attempt 3: _____

Did you beat your first time? Why do you think you improved?
What helped you get faster?

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Race To Match $1 \frac{7}{8}$	Race to Match $\frac{15}{8}$
Race To Match $1 \frac{3}{5}$	Race to Match $\frac{8}{5}$
Race To Match $2 \frac{1}{2}$	Race to Match $\frac{5}{2}$
Race To Match $2 \frac{5}{6}$	Race to Match $\frac{17}{6}$

24 cards

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**

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MAGICIAN

convert improper fractions TO MIXED NUMBERS 4.NF.3C

EDITABLE 4th GRADE ROOM TRANSFORMATION

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DONUT
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and
subtract
MIXED
NUMBERS
4.NF.3C

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SHOP

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ROOM TRANSFORMATION

DETECTIVE

day <<<<<

fraction
review

4.NF.1-4.NF.7



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4th <<<<<
GRADE

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ROOM TRANSFORMATION

4TH GRADE WORKSHEET BUNDLE

GRAB IT!

35
MATH
GAMES

4TH GRADE

GRAB IT! $1\frac{1}{2}$	GRAB IT! 4	GRAB IT! $7\frac{1}{2}$	GRAB IT! $3\frac{1}{3}$	GRAB IT! $1\frac{1}{2}$	GRAB IT! 3	GRAB IT! $7\frac{1}{2}$	GRAB IT! 6	GRAB IT! $1\frac{1}{2}$
GRAB IT! $3\frac{1}{3}$	GRAB IT! $1\frac{5}{6}$	GRAB IT! $4\frac{3}{4}$	GRAB IT! 8	GRAB IT! $3\frac{5}{6}$	GRAB IT! $4\frac{2}{3}$	GRAB IT! $1\frac{5}{6}$	GRAB IT! 8	GRAB IT! $2\frac{1}{6}$
GRAB IT! $2\frac{1}{6}$	GRAB IT! 6	GRAB IT! $4\frac{2}{3}$	GRAB IT! $2\frac{1}{6}$	GRAB IT! 4	GRAB IT! $4\frac{3}{4}$	GRAB IT! 3	GRAB IT! $3\frac{5}{6}$	GRAB IT! $3\frac{1}{3}$

GRAB IT!
 $1\frac{4}{6} + 2\frac{1}{6} =$

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4TH GRADE BUNDLE

TASK CARDS

4TH GRADE BUNDLE

TASK CARDS

✓ **DIGITAL**

✓ **PRINTABLE**

✓ **130 GAMES**

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