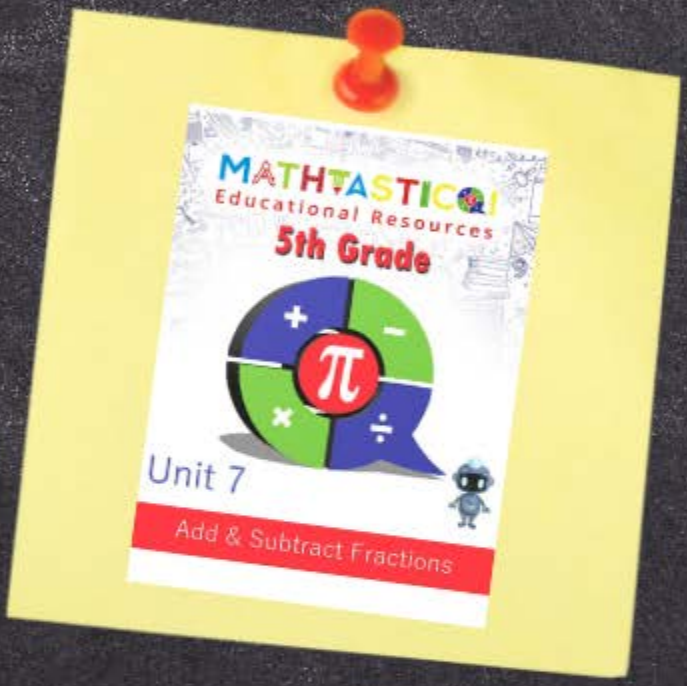
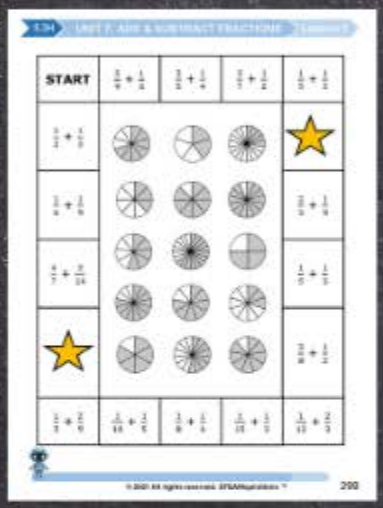
MATH BUNDLE!

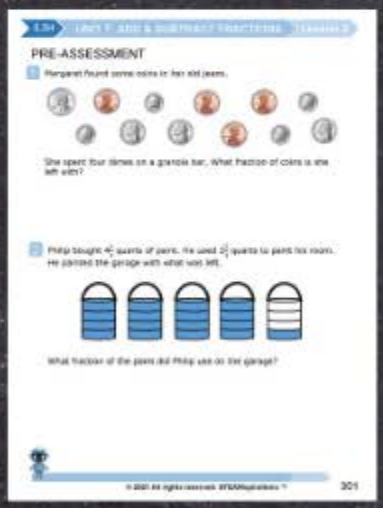
5th Grade Unit 7

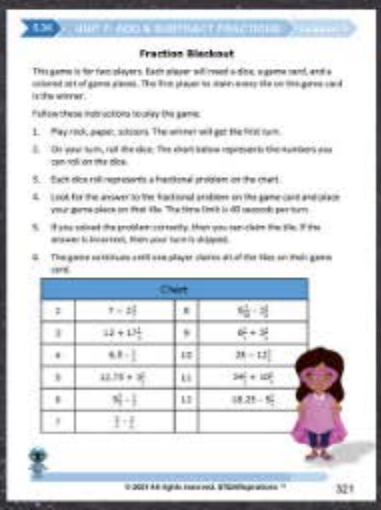










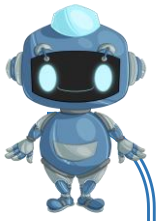


- Games
- Pre-Assessments
- Guided Practice
- Homework Lessons
- Independent Practice
- Checkpoints
- Assessment
- Spiral Review

MATHTASTICO!
Educational Resources

UNIT 7
ADD & SUBTRACT FRACTIONS

5th GRADE



OBJECTIVE/GOAL

Learn how to represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations.

VOCABULARY

- Common denominator
- Unlike denominators

TARGET STANDARD

5.3H Can you represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations?
5.3K Can you add and subtract positive rational numbers fluently?

QUESTIONS TO GUIDE YOUR THINKING

- Does simplifying fractions affect the fraction's value?
- What strategies can you use to subtract fractions with unlike denominators?
- How are fractions related to decimals?

TRACK YOUR ACCOMPLISHMENTS



CHECKPOINT 1 ☐



CHECKPOINT 2 ☐



CHECKPOINT 3 ☐



UNIT ASSESSMENT ☐

SAMPLE

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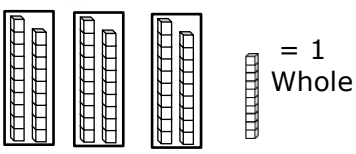
MONDAY	1. Find the difference. 653,967,438 – 49,654,512	2. Find the product. 2,065 x 62	3. Find the quotient. 15)5,430
TUESDAY	4. Which pair of factors is made up of only composite numbers? 5 x 12 30 x 2 15 x 4	5. Evaluate the expression. 358 – [4 x (12 +24)] _____	6. Write the given expression in standard form. (4 x 100) + (5 x 10) + (7 x 1) + (6 x 0.01) + (2 x 0.001) _____
WEDNESDAY	7. Compare the numbers using the symbols >, <, or =. 18.756 ☐ 18.076	8. Craig has 58.79 meters of rope. He used 35.46 meters to make a swing. How many meters of rope is left over? _____	9. Jerry bought a dozen burritos for $6.99 each. How much did he spend on the burritos? 80 84
THURSDAY	10. Use the model to write a multiplication equation and solve it. Key:  = 1 Whole _____	11. Kim has $1.20 in dimes. She bought 2 popsicles. How much did each popsicle cost?  _____	12. Alyna ran 456.2 meters in 20 minutes. How many meters did she cover in one minute? _____

SAMPLE

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Addition All Around

This game is for two players. Each player will need a die and a colored set of game pieces. The rectangular gameboard has 15 fractional models in the middle. When all of the models are claimed, the game ends and the player with the most game pieces on the gameboard is the winner.

Follow these instructions to play the game:

1. Play rock, paper, scissors. The winner will get the first turn.
2. To start the game, both players need to place their game pieces on the "START" tile.
3. On your turn, roll the die. Move your game piece around the gameboard according to the number you roll.
4. Each tile on the gameboard has a fractional problem on it. Place your game piece on the model that matches the answer. If the answer is correct then you have claimed the model. If the answer is incorrect, you skip a turn.
5. You cannot put your game piece on a model that has already been claimed by the other player.
6. If your game piece lands on a 'star' tile, you get an extra turn.
7. The game ends once all of the models have been claimed.



SAMPLE

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PROBLEM SOLVING

1 Jessie bought four concert tickets for $62.48. How much did she pay for each ticket?

A. $15.62

B. $15.78

C. $15.96

D. $16.02

2 Henry shared a cab with four other friends. The total fare was $42.10. They split the fare equally. How much did each person pay?

A. $6.28

B. $7.34

C. $7.62

D. $10.52

3 A tailor bought 12.95 meters of fabric to make a suit. He cut the fabric into 7 pieces. How long was each piece of fabric?

A. 1.25 meters

B. 1.65 meters

C. 1.85 meters

D. 1.95 meters

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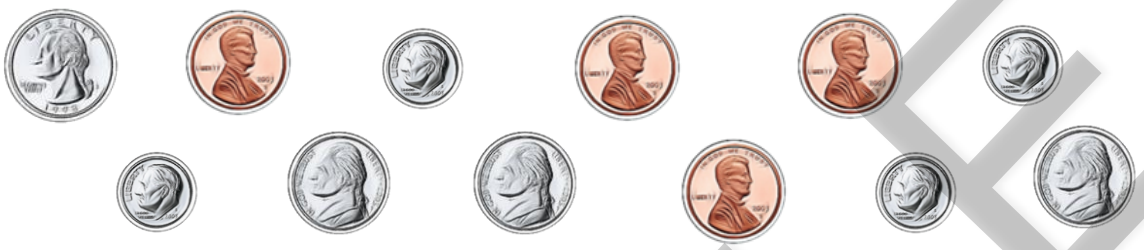
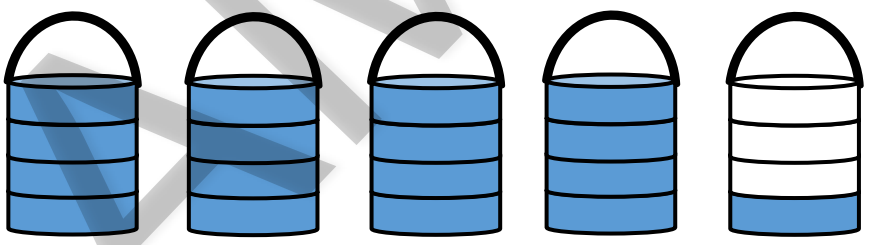
PRE-ASSESSMENT

1 Margaret found some coins in her old jeans.



She spent four dimes on a granola bar. What fraction of coins is she left with?

2 Philip bought $4\frac{1}{4}$ quarts of paint. He used $2\frac{3}{4}$ quarts to paint his room. He painted the garage with what was left.



What fraction of the paint did Philip use on the garage?

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SKILL BUILDING

3 Archie is making a model of an erupting volcano for a science fair. He needs $\frac{1}{10}$ of a liter of warm water and $\frac{2}{5}$ of a liter of white vinegar.

What fraction represents the total amount of warm water and white vinegar needed for the project?



4 Elliot can only bring 40 pounds of luggage to the airport. He has already loaded it with $26\frac{1}{8}$ pounds of clothes and 4.5 pounds of shoes.

How much more luggage can he bring?





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Fraction Blackout

This game is for two players. Each player will need a dice, a game card, and a colored set of game pieces. The first player to claim every tile on the game card is the winner.

Follow these instructions to play the game:

1. Play rock, paper, scissors. The winner will get the first turn.
2. On your turn, roll the dice. The chart below represents the numbers you can roll on the dice.
3. Each dice roll represents a fractional problem on the chart.
4. Look for the answer to the fractional problem on the game card and place your game piece on that tile. The time limit is 40 seconds per turn.
5. If you solved the problem correctly, then you can claim the tile. If the answer is incorrect, then your turn is skipped.
6. The game continues until one player claims all of the tiles on their game card.

Chart			
2	$7 - 2\frac{6}{7}$	8	$5\frac{9}{10} - 2\frac{1}{6}$
3	$12 + 17\frac{1}{8}$	9	$6\frac{1}{5} + 3\frac{1}{6}$
4	$6.5 - \frac{3}{4}$	10	$28 - 12\frac{3}{5}$
5	$12.75 + 3\frac{1}{2}$	11	$34\frac{1}{2} + 10\frac{8}{9}$
6	$9\frac{4}{5} - \frac{1}{3}$	12	$18.25 - 5\frac{1}{2}$
7	$\frac{8}{9} - \frac{1}{6}$		



SAMPLE

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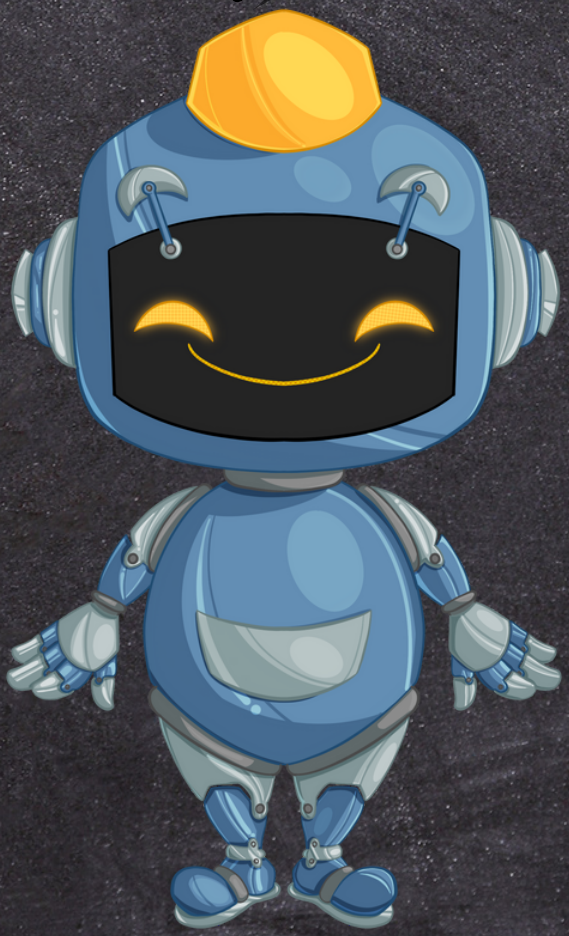

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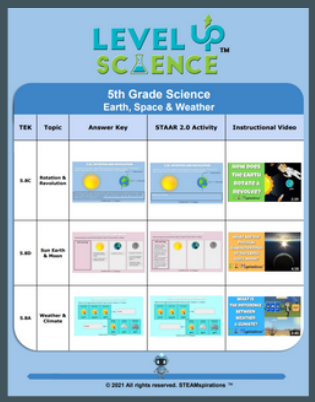

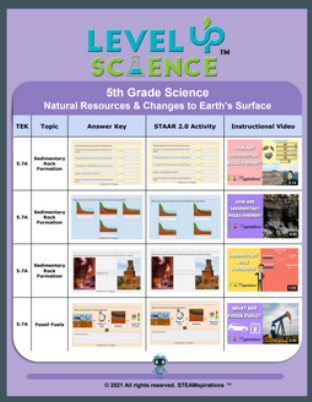



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