Thief!

Materials needed:
- Game Cards
- Dry erase boards/markers/erasers

The beautiful and wealthy Countess Alexandria of Magnovia is spending the summer with the equally wealthy Fairport family of Boston at the Fairport Mansion. One night, while getting dressed for a party, Countess Alexandria is horrified to find that her diamond tiara is missing! You are a suspect! To clear your own name, you must discover the identity of the real thief! (Or maybe you did do it…)

Set up:
Each player draws a suspect card. That is your identify for the rest of the game. Place your suspect card where everyone can see it.

To play:

Shuffle the clue cards (problem cards) and put them in a stack, problem side up, where everyone can reach them. Each clue card has a letter on the back. Take turns answering the problem cards. Each time you answer a card correctly, turn over the card so that you can see the letter and put it in the middle where everyone can see it.

The thief is the first suspect whose first name (For example: Aiden or Quinn) can be completely spelled with the letters provided by answering the clue cards correctly. (For a shorter game: You can play until the first 3 letters of the thief's name is revealed. For example: AID for Aiden.)

To win: If you have the suspect card with the thief's name, you are the thief! – So you lose! If there are more then 2 players, the winner is the player who identifies the thief first.

Printing instructions: Print landscape, 2-sided, black & white, flip on short side.

Unit: 5th – Fractions: Multiplying & Dividing with Fractions
Lesson: Fractions – Mixed Operations
Thief!

1 13/16	**2** $\frac{17}{20}-\frac{4}{5}=\frac{17}{20}-\frac{16}{20}=\frac{1}{20}$	**3** $\frac{3}{4}$x16 = 12	**4** $7\div\frac{1}{3}=21\ days$	**5** $\frac{1}{5}\div 8=\frac{1}{40}$	**6** $1\frac{3}{5}+1\frac{1}{3}=$ $1\frac{9}{15}+1\frac{5}{15}=$ $2\frac{14}{15}$
7 $\frac{5}{8}+\frac{1}{3}=\frac{15}{24}+\frac{8}{24}=\frac{23}{24}$	**8** $\frac{8}{9}-\frac{2}{3}=\frac{8}{9}-\frac{6}{9}=\frac{2}{9}$	**9** $\frac{3}{5}$x 25 = 15	**10** $7\div\frac{1}{6}=42$	**11** $\frac{1}{9}\div 3=\frac{1}{27}$ *of a package*	**12** $3\frac{1}{5}-1\frac{1}{6}=$ $3\frac{6}{30}-1\frac{5}{30}$ $=2\frac{1}{30}$
13 $\frac{1}{6}\div 9=1/54$	**14** $1\frac{2}{5}-1\frac{1}{3}=\frac{21}{15}-\frac{20}{15}$ $=\frac{1}{15}$	**15** $2\frac{1}{4}+1\frac{5}{6}=$ $2\frac{3}{12}+1\frac{10}{12}=$ $3\frac{13}{12}$ or $4\frac{1}{12}$	**16** $3\div\frac{1}{8}=$ 24 *plants*	**17** $\frac{5}{6}+\frac{4}{9}=$ $\frac{15}{18}+\frac{8}{18}=$ $\frac{23}{18}$ *or* $1\frac{5}{18}$	**18** $\frac{6}{7}$x 42 = 36
19 $\frac{1}{8}+\frac{3}{6}=\frac{21}{24}+\frac{12}{24}=$ $\frac{33}{24}=1\frac{9}{24}$ *or* $1\frac{3}{8}$	**20** $1\frac{1}{3}-\frac{4}{7}=$ $\frac{4}{3}-\frac{4}{7}=$ $\frac{28}{21}-\frac{12}{21}=16/21$	**21** $\frac{4}{9}$x 36 = 16	**22** $4\div\frac{1}{5}=20$	**23** $\frac{1}{3}\div 6=\frac{1}{18}$	**24** $5\frac{3}{4}-2\frac{1}{2}=$ $5\frac{3}{4}-2\frac{2}{4}=3\frac{1}{4}$
25 $3\frac{3}{4}-1\frac{5}{8}=$ $3\frac{6}{8}-1\frac{5}{8}=2\frac{1}{8}$	**26** $5\div\frac{1}{10}=50$	**27** $\frac{3}{10}$x 70 = 21	**28** $\frac{9}{10}-\frac{6}{7}=\frac{63}{70}-\frac{60}{70}=\frac{3}{70}$	**29** $\frac{1}{4}\div 6=\frac{1}{24}$	**30** $\frac{4}{9}+\frac{5}{6}=$ $\frac{8}{18}+\frac{15}{18}=$ $\frac{23}{18}=1\frac{5}{18}$

Marin Fairport

Wealthy, but eccentric head of the Fairport Family. Known for spending millions on oddball collections of random objects

Aiden Fairport

At 25, the oldest child of the super-rich Fairport family. Known for spending lots of money, especially on clothes.

Roane Fairport

Showed up last week claiming to be a long-lost cousin from Scotland who knows all the family's darkest secrets.

Tatum Speedwell

Jet pilot and former international spy staying for the weekend before leaving Monday for Morocco.

Greer Montague

Accountant to the Rich and Famous, known for making millions on investments, also known for spending millions on exotic pets.

Storm Wintermore

Movie Star known throughout the world for living the life of the rich and famous. Also famous for being a picky eater.

Quinn Morrison

Once a WWE Wrestler and karate expert. Quinn now makes a living as personal trainer to the rich and famous.

Logan Redberry

Groundskeeper for the Fairport Mansion. Former university professor of botany at a prestigious university. Fired for too many experiments with poisonous plants.


SUSPECT

SUSPECT

SUSPECT

SUSPECT

SUSPECT

SUSPECT

SUSPECT

SUSPECT

E	O	T
U	G	S

1. Tatum Speedwell flew $\frac{3}{4}$ of the way to Morocco on Saturday and then rode a camel another $\frac{1}{16}$ of the way on Sunday. What fraction of the distance to Morocco did Tatum travel on the weekend?

Fractions: Mixed Operations – Thief!

2. Logan Redberry had $\frac{17}{20}$ of a box of rat poison in his office yesterday. This morning he used $\frac{4}{5}$ of a box for a mysterious project. What fraction of the box of rat poison does Logan have left?

Fractions: Mixed Operations – Thief!

3. Aiden Fairport has 16 red ties. $\frac{3}{4}$ of them are bow ties. How many red bow ties is that?

Fractions: Mixed Operations – Thief!

4. Roane Fairport has stolen 7 secret diaries from Marin Fairport. If she reads about $\frac{1}{3}$ of a diary a day, approximately how many days will it take her to read all the diaries?

Fractions: Mixed Operations – Thief!

5. Greer Montague has $\frac{1}{5}$ of a box of hermit crab food left that he needs to share evenly among his 8 hermit crabs. What fraction of a box of food is that for each crab?

Fractions: Mixed Operations – Thief!

6. Roane Fairport tiptoed $1\frac{3}{5}$ miles this morning following Marin Fairport and another $1\frac{1}{3}$ mile following Aiden Fairport this afternoon. How many miles did she tiptoe all together?

Fractions: Mixed Operations – Thief!

M	A	R
I	N	D

7. Quinn Morrison completed $\frac{5}{8}$ of his daily sit-ups goal before lunch, and another $\frac{1}{3}$ of his goal between lunch and dinner. What fraction of his daily sit-ups goal has Quinn accomplished so far all together?

8. Tatum Speedwell had $\frac{8}{9}$ of a tank of jetfuel in his jet this morning, but during the day he used $\frac{2}{3}$ of a tank. What fraction of a tank does he have left?

9. Quinn Morrison likes to do 25 pushups to get warmed up for the rest of his exercise routine. He had done $\frac{3}{5}$ of them before he was interrupted by a phone call. How many push ups had he done before the phone call?

10. Greer Montague feeds his chinchilla, Charlie, $\frac{1}{6}$ of a pound of Chinchilla Chow per day. If Greer has 7 pounds of Chinchilla Chow, how many days should that last?

11. Roane Fairport only has $\frac{1}{9}$ of a package of the tranquilizer darts that she uses on the guard dogs so they won't bark while she is sneaking around spying on people. She needs to divide it among 3 dogs. How much of the package of tranquilizer darts is that per dog?

12. Quinn Morrison had $3\frac{1}{5}$ jars of his special muscle building vitamin pills, but he accidentally knocked over a couple of the jars while he was doing his jumping jacks and $1\frac{1}{6}$ of a jar spilled and was ruined. How many jars of vitamin pills does Quinn have left?

Q	L	E
O	T	U

13. Marin Fairport has decided to put $\frac{1}{6}$ of his massive collection of celebrity toothpicks on display. He will display an equal amount of them in each of 9 specially made crystal toothpick holders. What fraction of his massive collection will be in each toothpick holder?

14. Storm Wintermore had $1\frac{2}{5}$ jars of caviar. Then she used $\frac{4}{3}$ of a jar to make a caviar and peanut butter sandwich. How much of a jar of caviar does she have left now?

15. Greer Montague has $2\frac{1}{4}$ jars of beef flavored piranha food and $1\frac{5}{6}$ jars of chicken flavored piranha food. How much piranha food is that combined ?

16. Logan Redberry has 3 bottles of special poison ivy fertilizer spray. If he uses $\frac{1}{8}$ of a bottle of spray per plant, how many plants will he be able to fertilize?

17. Aiden Fairport found $\frac{5}{6}$ of a pack of gum in the pocket of one tuxedo and $\frac{4}{9}$ of a pack of gum in the pocket of another tuxedo. How many packs of gum is that combined?

18. Quinn Morrison was planning to ride his bike 42 miles today as part of his preparation for an upcoming bike race, but he only got $\frac{6}{7}$ of the way before he got a terrible leg cramp. How many miles did he ride before his cramp?

G	S	M
A	R	I

19. Logan Redberry had $\frac{7}{8}$ of a jug of special plant food for his hemlock garden in the shed. Then he found another $\frac{3}{6}$ of a jug on a shelf in the greenhouse. How many jugs of the special plant food is that in all?

20. Tatum Speedwell had $1\frac{1}{3}$ bottles of invisible ink in his spy kit, but he accidentally wasted $\frac{4}{7}$ of a bottle because he thought it was mouthwash and gargled with it. How much of a bottle of invisible ink does Tatum have left?

21. Roane Fairport has 36 tiny cameras that she plans to set up all around the Fairport Mansion so she can spy on the Fairports and learn their darkest secrets. She has already placed $\frac{4}{9}$ of them. How many cameras does she already have in place?

22. Storm Wintermore is on a special diet. She is only allowing herself to eat $\frac{1}{5}$ of an apple per day. She has 4 apples. How many days will they last if she sticks with her diet?

23. Aiden Fairport spent $\frac{1}{3}$ of his monthly allowance on 6 pairs of cashmere socks. How much of his monthly allowance did he spend on each pair of socks?

24. Marin Fairport had $5\frac{3}{4}$ feet of empty space on the display shelf that he uses to display his collection of International Themed Garden Gnomes. He added a couple of new gnomes this week. They took up $2\frac{1}{2}$ feet of the empty space. How much space does he have left on his shelf?

N	D	Q
L	E	N

25. Roane Fairport had $3\frac{3}{4}$ feet of brown wrapping paper. She used $1\frac{5}{8}$ feet to wrap up mysterious package and mail it to an undisclosed location. How many feet of wrapping paper does she have left.

26. Greer Montague is getting his Mongolian Racing Hamster ready for the Hamster Olympics this summer in Hamburg. He wants his hamster to run five miles in all. If the hamster runs $\frac{1}{10}$ of a mile a day, how long will it take him to run all 5 miles?

27. Aiden Fairport had planned to spend 70 days on a fabulous clothes shopping spree in Paris. But he ran out of money in just $\frac{3}{10}$ of that time. How many days did it take Aiden to spend all of his money?

28. Storm Wintermore bought a gallon of her favorite raspberry/kiwi-leaf tea yesterday. She had $\frac{9}{10}$ of a gallon left this morning. She sipped on it throughout the day and ended up drinking $\frac{6}{7}$ of a gallon today. How much of the original gallon does she have left?

29. Greer Montague buys elephant chow by the ton for his herd of African elephants. He has $\frac{1}{4}$ of a ton of chow that he is going to share evenly among the 6 elephants this week. What fraction of a ton of chow will each elephant get to eat this week?

30. Quinn Morrison believes that hopping on one foot is an important part of his fitness training. Today he hopped on his left foot for $\frac{4}{9}$ of a mile, then he hopped on his right foot for another $\frac{5}{6}$ of a mile. How many miles of hopping is that all together?