

4th Grade

FRACTION REVIEW

CANDY FACTORY ESCAPE ROOM



PRINTABLE • GOOGLE • WEBSCAPE™

Escape the Candy Factory!

Students won't realize they are practicing Fractions skills! They will be immersed in the storytelling and our original videos as they complete math challenges.



Dear ,

You've earned your way into my candy factory. I'm looking for the best of the best to take over my operation. Prove you can make candy better than the rest and I'll give you the keys to my factory.

You must make these 4 items to earn the keys:

- Marshmallows
- Cotton candy
- Fun-size chocolate
- Sprinkles

After each challenge, add the item to your candy shop to earn the keys to my factory.

Sincerely,
The Candy Man



Learn more!



4 Mathematics Challenges

Challenge #1

1. Solve each adding fractions problem.
2. Record answers on your brochure.
3. Check your answers in the Candy Factory Decoder.
4. Add the marshmallow to the candy shop.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #2.



Scan the QR code or click [here](#) to view the video.



1. Add the fractions below:

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

- a. $\frac{6}{7}$
- b. $\frac{5}{14}$
- c. $\frac{5}{7}$
- d. $\frac{9}{10}$

2. Jessica ate $\frac{4}{10}$ of the pizza. Did they eat together?

- a. $\frac{7}{10}$
- b. $\frac{6}{10}$
- c. $\frac{2}{20}$
- d. $\frac{6}{20}$

Challenge #2

1. Solve each subtracting fractions problem.
2. Record answers on your brochure.
3. Check your answers in the Candy Factory Decoder.
4. Add the cotton candy to the candy shop.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #3.



Scan the QR code or click [here](#) to view the video.



1. Subtract the fractions below:

$$\frac{12}{5} - \frac{4}{5}$$

- a. $\frac{10}{10}$
- b. $\frac{8}{5}$
- c. $\frac{8}{10}$
- d. $\frac{10}{5}$

2. You grew your hair out for 3 years. It was $\frac{14}{4}$ meters long. You donated $\frac{5}{4}$ meters of hair. How long is your hair now?

- a. $\frac{19}{4}$ meters
- b. $\frac{9}{4}$ meters
- c. 9 meters
- d. $\frac{11}{4}$ meters

3. Cameron ate cake and you birthday cake. birthday cake than you?

- a. $\frac{7}{9}$
- b. $\frac{3}{14}$
- c. $\frac{3}{9}$
- d. $\frac{5}{9}$

Challenge #3

1. Solve each converting mixed numbers and improper fractions problem.
2. Record answers on your brochure.
3. Check your answers in the Candy Factory Decoder.
4. Add the fun-size chocolate to the candy shop.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #4.



Scan the QR code or click [here](#) to view the video.



1. Write the following mixed number as an improper fraction:

$$6\frac{7}{9}$$

- a. $\frac{61}{9}$
- b. $\frac{54}{6}$
- c. $\frac{54}{9}$
- d. $\frac{61}{9}$

2. Write the following improper fraction as a mixed number:

$$\frac{27}{4}$$

- a. $7\frac{3}{4}$
- b. $7\frac{4}{27}$
- c. $6\frac{3}{4}$
- d. $6\frac{1}{4}$

3. Write the following mixed number as an improper fraction:

$$2\frac{5}{8}$$

- a. $\frac{21}{8}$
- b. $\frac{16}{8}$
- c. $\frac{21}{5}$
- d. $\frac{16}{5}$

4. Write the following improper fraction as a mixed number:

$$\frac{32}{5}$$

- a. $5\frac{2}{5}$
- b. $6\frac{1}{5}$
- c. $6\frac{2}{5}$
- d. $7\frac{2}{5}$

5. Write the following mixed number as an improper fraction:

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

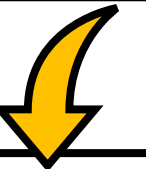
- a. $\frac{23}{3}$
- b. $\frac{21}{3}$
- c. $\frac{23}{7}$
- d. $\frac{23}{7}$

6. Which fraction of the rectangle is shaded?

$$\frac{19}{2}$$

- a. $7\frac{1}{2}$
- b. $8\frac{1}{2}$
- c. 9
- d. $10\frac{1}{2}$

Learn more!



4 Mathematics Challenges

- Themed videos integrated throughout the Escape Room to keep kids engaged.
- Students work in groups, partners, or independently.

Learn more!



Challenge #4

1. Solve each adding and subtracting mixed numbers problem.
2. Record answers on your brochure.
3. Check your answers in the Candy Factory Decoder.
4. Add the sprinkles to the candy shop.
5. Scan the QR code in the corner of the next page.
6. Earn the keys to the factory!

1. You put $3\frac{5}{12}$ scoops of candy through the sprinkle machine the first time and $2\frac{3}{12}$ scoops of candy the second time. How many scoops of candy did you put through the sprinkle machine all together?

2. Charlie shared a box of cookies with his mom. If Charlie ate $3\frac{3}{4}$ cookies and his mom ate $1\frac{1}{4}$ cookies, how many more cookies did Charlie eat than mom?

3. You spent $3\frac{2}{5}$ hour on the sprinkle machine. How many hours did all the challenges take?

4. You ate a piece of gum that was $\frac{4}{7}$ of an inch wide. You chewed it and blew a bubble that was $2\frac{2}{7}$ inches wide before it popped. How much wider was the bubble than the original piece of gum?

5. You have a lunch box that weighs $3\frac{2}{8}$ kg. If your water bottle weighs $1\frac{4}{8}$ kg less, how much does the water bottle weigh?

6. A purple sprinkle is $1\frac{6}{9}$ mm long. A pink sprinkle is $2\frac{5}{9}$ mm long. How long are the sprinkles together?

Show your Work

a. $3\frac{8}{12}$ scoops
b. $5\frac{8}{12}$ scoops
c. $5\frac{5}{12}$ scoops
d. $3\frac{5}{12}$ scoops

Show your Work

a. $3\frac{1}{4}$ cookies

Show your Work

a. $7\frac{2}{5}$ hours

Show your Work

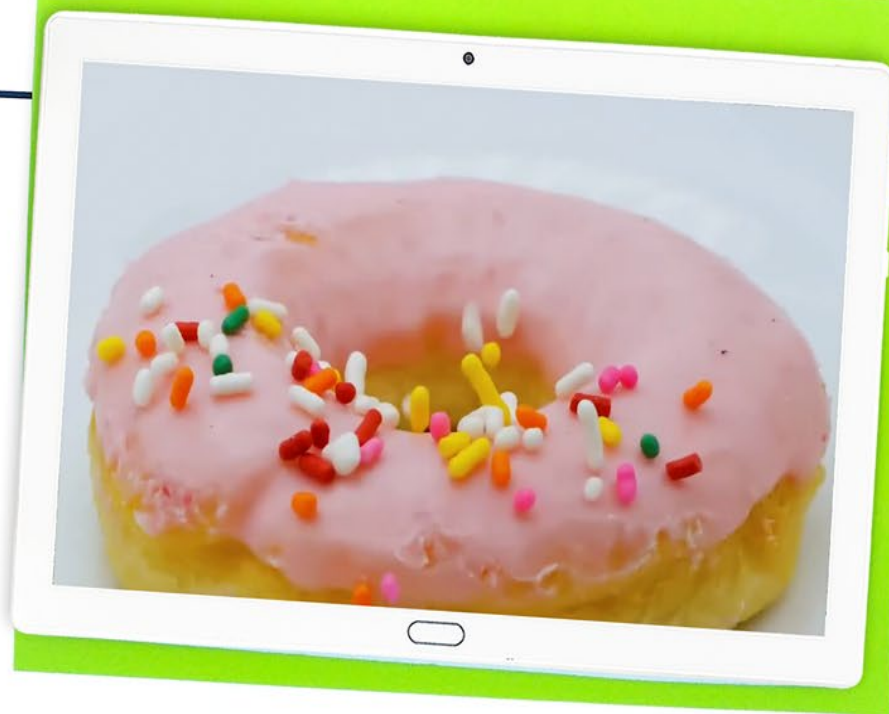
a. $1\frac{2}{7}$ inches

Show your Work

a. $1\frac{6}{8}$ kg
b. $2\frac{2}{8}$ kg
c. $1\frac{2}{8}$ kg
d. $1\frac{4}{8}$ kg

Show your Work

a. $3\frac{5}{9}$ mm
b. $4\frac{5}{9}$ mm
c. $4\frac{6}{9}$ mm
d. $4\frac{8}{9}$ mm



Scan the QR code or click [here](#) to view the video.



3 Versions

- Print
- Google Slides
- Webscape™ (Our most popular experience)

Learn more!



Challenge #1

1. Solve each adding fractions problem.
2. Record answers on your brochure.
3. Check your answers in the Candy Factory Decoder.
4. Add the marshmallow to the candy shop.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #2.



1. Add the fractions below:

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

- a. $\frac{6}{7}$
- b. $\frac{5}{14}$
- c. $\frac{5}{7}$
- d. $\frac{9}{10}$

2. Jessica ate $\frac{4}{10}$ of the pizza. How did they eat together?

- a. $\frac{7}{10}$
- b. $\frac{6}{10}$
- c. $\frac{7}{20}$
- d. $\frac{6}{20}$

Girl Scout Troop 432 sold to raise money. They donated the profits to the shelter, $\frac{1}{8}$ to the library, to the food bank. How their profits did they

- a. $\frac{3}{8}$
- b. $\frac{4}{8}$
- c. $\frac{5}{8}$
- d. $\frac{6}{8}$

Solve the Adding Fractions Problem

Add the fractions below:

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

Show your Work

The answer is:

- a. $\frac{6}{7}$
- b. $\frac{5}{14}$






1. Add the fractions below:

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

- $\frac{6}{7}$
- $\frac{5}{14}$
- $\frac{5}{7}$
- $\frac{9}{10}$

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	PDF 	Google Slides 	Webscape™ 
Format Type	Printable	Digital	Digital
Device	N/A	Any Device	Any Device
Required Prep	Print & Go	Copy & Share	Zero Prep
Student Answers	Printable Answer Pamphlet	Google Sheets Decoder Tool	Integrated Challenge Hub
Self Correcting	Includes Answer Key	Self Correcting	Self Correcting
Custom Videos	QR Codes	Embedded You Tube	Embedded
Audio Readings	N/A	No Audio Readings	Contains Audio Readings
Navigation	N/A	Student Directed	Automatically Advancing
Extras	Early Finish Challenges	Movable Pieces	Interactive Animation

3 Versions

- Print
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- Webscape™ (Our most popular experience)

Learn more!



Print

- Cut and paste stamps for each challenge
- Easy to follow
- Optimal for group or partner work
- Recording brochure for answers
- Self-checking decoder
- Certificate of completion

Learn more!



At the end of each challenge, cut out each sticker and paste it on the candy factory to earn the keys to the factory.

Candy Factory Decoder

Use the following codes for each challenge to solve the clues and move to the next challenge

Challenge 1

question 1	question 2	question 3	question 4	question 5	question 6
a = First b = Stirring c = By d = Dyeing	a = mixing b = chocolate c = cooking d = them with	a = water b = and c = them d = sugar,	a = and b = vanilla c = in d = gelatin	a = 2 more b = and other c = the d = in many	a = ingredients. b = together. c = oven. d = colors.

Challenge 2

question 1	question 2	question 3	question 4	question 5	question 6
a = Putting b = By c = Mixing d = Baking					

Challenge 3

question 1
a = Smashing b = Tiny c = All d = The

Challenge 4

question 1
a = Piping b = By c = First d = Taking

CANDY FACTORY RECORDING BROCHURE

Record your challenge answers along your journey.

CHALLENGE 3

	Answer	Code
1.	d	The
2.	c	fun-Size
3.	a	Floor
4.		
5.		
6.		

How did you make the fun sized chocolate?

eggs Bobo

Candy Factory Escape Room



Lucy M.
(Name)
has successfully completed the
challenges and earned the keys
to the Candy Factory.

23 / 04

(Date)

The Candy Factory

Ooops!

You fell in the pot of marshmallows and have to wash
off all the sticky stuff!



YOU MUST STAY QUIET FOR 5
MINUTES. NO SPEAKING!

Print

- OOPS! Cards for differentiation

Learn more!



Webscape TM

- Most interactive experience
- Self correcting
- Embedded videos
- Embedded audio
- Animation
- Simple navigation

Learn more!



Webscape TM

- No log ins or sign ups
- Works with any device that has an internet connection and web browser
- Zero prep! Just share the link with your students.

Learn more!



Google Slides

- One problem per slide
- Students drag to circle their answers

1. Solve the Mixed Number Problem

You put $3\frac{5}{12}$ scoops of candy through the sprinkle machine the first time and $2\frac{3}{12}$ scoops of candy the second time. How many scoops of candy did you put through the sprinkle machine all together?

Show your Work

The answer is:

- a. $3\frac{8}{12}$ scoops
- b. $5\frac{8}{12}$ scoops
- c. $5\frac{5}{12}$ scoops
- d. $3\frac{8}{12}$ scoops

Learn more!



Google Slides

- Toggle to self-checking decoder
- Decoder will prompt at the end of each challenge whether students are correct or need to check their work.

Learn more!



Looking for More?

ESCAPE ROOM BUNDLE Math Skills

4th Grade



The image shows a girl with brown hair and a purple bow, wearing a purple dress with white polka dots, holding a large silver key. She is standing next to a tablet that displays a menu of 'Math Escape Rooms'. The menu includes options for 2nd, 3rd, 4th, and 5th grades. The 4th grade options are 'Math Fractions & Mixed Numbers' and 'Telling Time: Time Machine Escape Room'. A green banner at the bottom left says 'Print and Digital'.

Math Escape Rooms

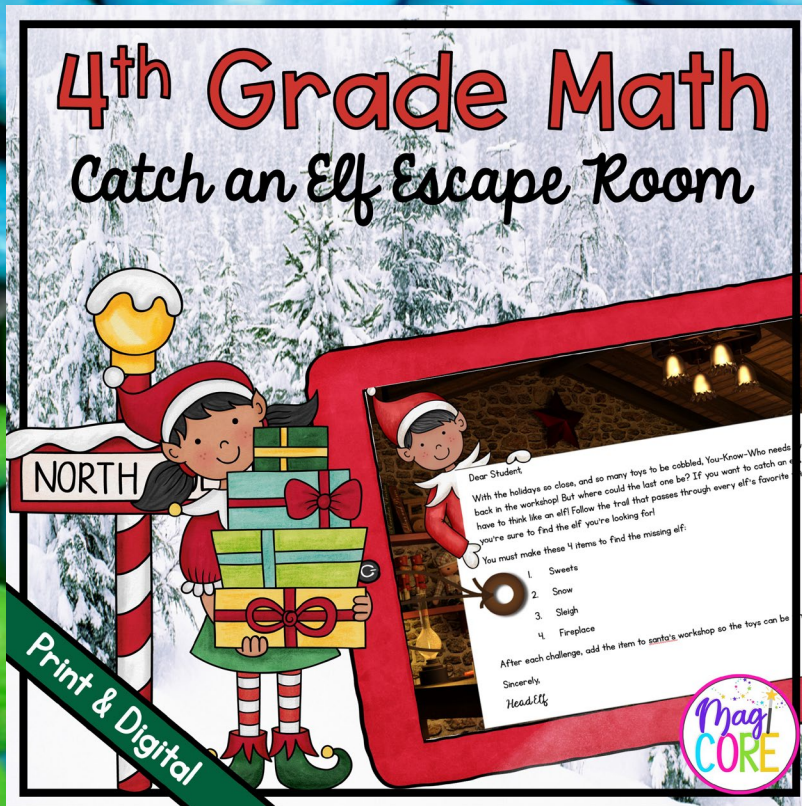
2nd Grade 3rd Grade 4th Grade 5th Grade

Math Fractions & Mixed Numbers

Telling Time: Time Machine Escape Room

Print and Digital

4th Grade Math Catch an Elf Escape Room



The image shows an elf in a red suit and hat, holding a sign that says 'NORTH' and a stack of wrapped gifts. He is standing next to a tablet that displays a math escape room. The tablet screen shows a letter from Santa and a list of items to find. A green banner at the bottom left says 'Print & Digital'.

4th Grade Math

Catch an Elf Escape Room

NORTH

Print & Digital

Dear Student

With the holidays so close, and so many toys to be cobbled, You-Know-Who needs back in the workshop! But where could the last one be? If you want to catch an elf, you have to think like an elf! Follow the trail that passes through every elf's favorite place to find the elf you're looking for!

You must make these 4 items to find the missing elf:

1. Sweets
2. Snow
3. Sleigh
4. Fireplace

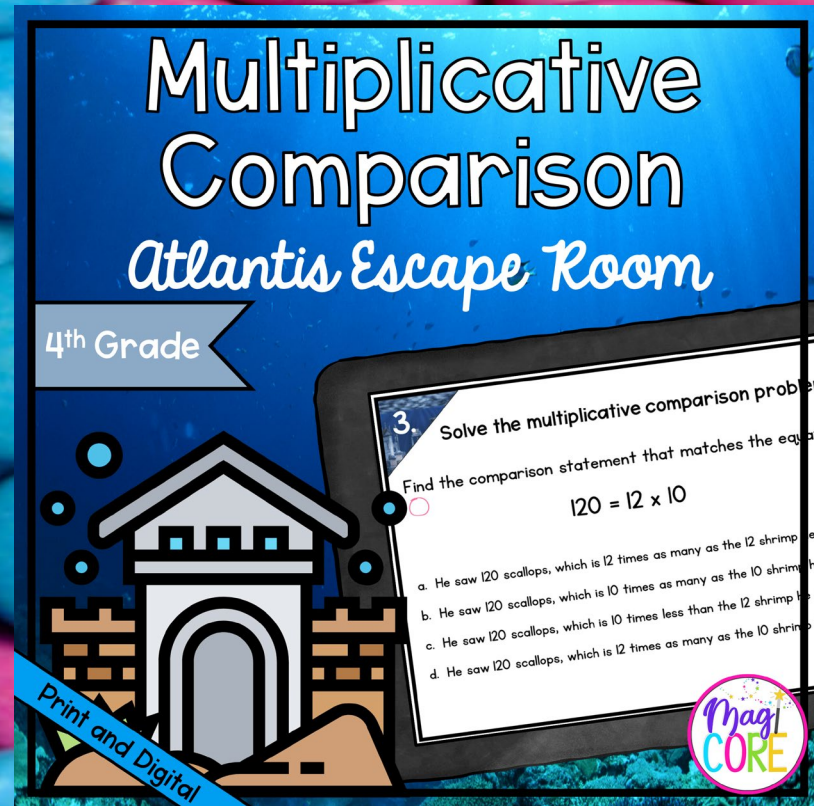
After each challenge, add the item to Santa's workshop so the toys can be made!

Sincerely,
Head Elf

Magi CORE

Multiplicative Comparison Atlantis Escape Room

4th Grade



The image shows a girl with brown hair and a purple bow, wearing a purple dress with white polka dots, holding a large silver key. She is standing next to a tablet that displays a math escape room. The tablet screen shows a problem about multiplicative comparison. A blue banner at the bottom left says 'Print and Digital'.

Multiplicative Comparison

Atlantis Escape Room

4th Grade

Print and Digital

3. Solve the multiplicative comparison problem.

Find the comparison statement that matches the equation.

$120 = 12 \times 10$

a. He saw 120 scallops, which is 12 times as many as the 12 shrimp he saw.

b. He saw 120 scallops, which is 10 times as many as the 10 shrimp he saw.

c. He saw 120 scallops, which is 10 times less than the 12 shrimp he saw.

d. He saw 120 scallops, which is 12 times as many as the 10 shrimp he saw.

Magi CORE