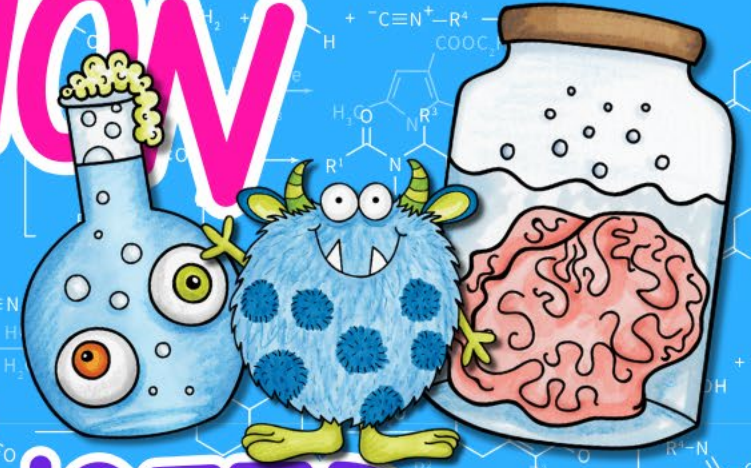


MULTI-DIGIT MULTIPLICATION

5th Grade



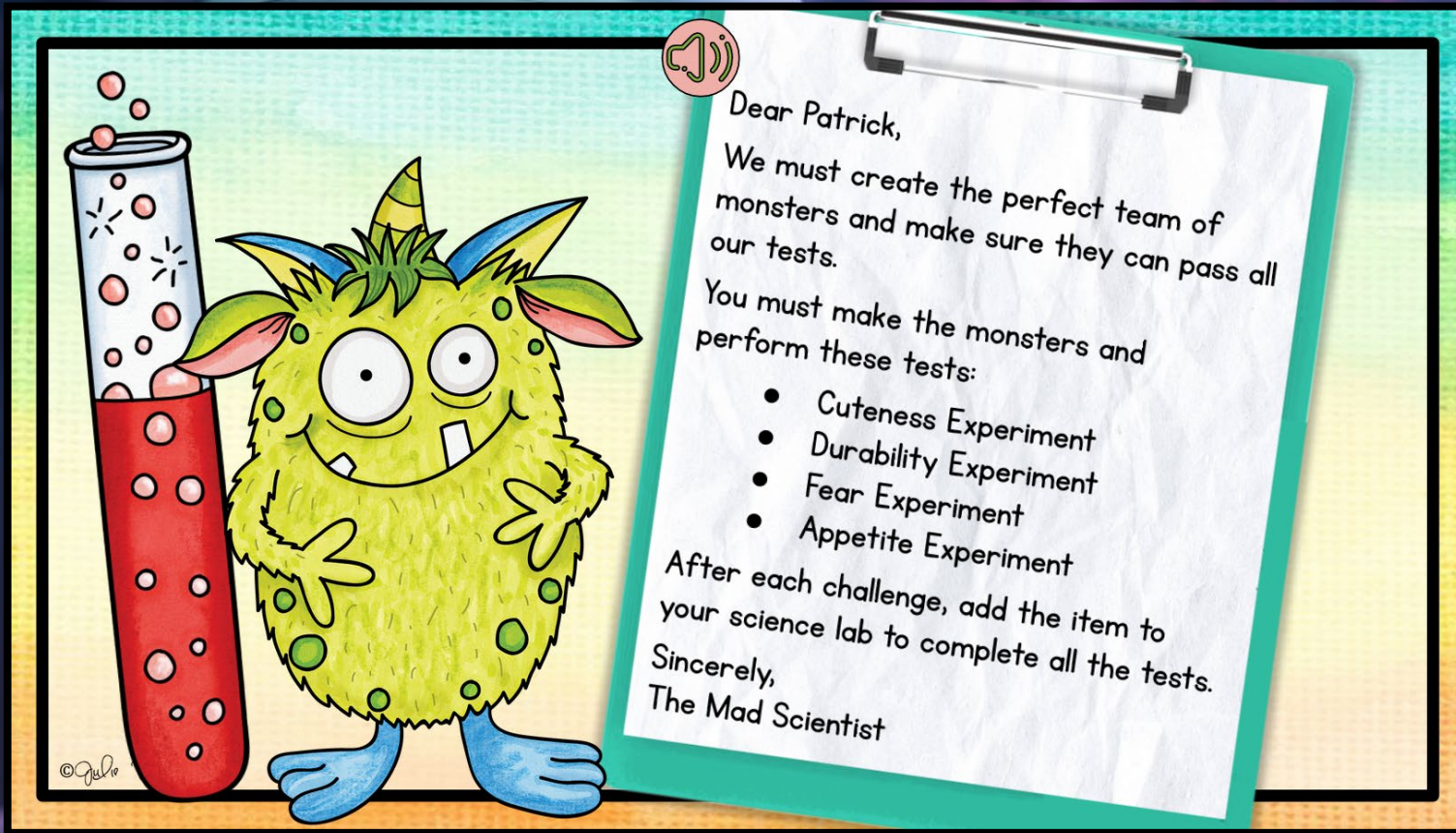
MONSTER SCIENCE LAB ESCAPE ROOM



PRINTABLE • GOOGLE • WEBSCAPE™

Escape the Science Lab!

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



Learn more!



4 Mathematics Challenges

- Challenges focused on Multi-digit Multiplication
- Each challenge takes about 20-30 minutes

Challenge #2

- Solve each multiplication problem.
- Record answers on your brochure.
- Check your answers in the Monster Decoder.
- Add the hammer to your science lab.
- Scan the QR code in the corner of the next page.
- Move on to the challenge #3.



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



$$\begin{array}{r} 968 \\ \times 55 \\ \hline \end{array}$$

- 52,900
- 53,340
- 53,240
- 52,240

$$\begin{array}{r} 297 \\ \times 73 \\ \hline \end{array}$$

- 23,881
- 21,681

$$\begin{array}{r} 196 \\ \times 17 \\ \hline \end{array}$$

- 3,332
- 8,732
- 3,232
- 2,232

$$\begin{array}{r} 1327 \\ \times 32 \\ \hline \end{array}$$

- 42,564
- 31,464

$$\begin{array}{r} 426 \\ \times 45 \\ \hline \end{array}$$

- 19,270
- 18,840
- 12,470
- 19,170

$$\begin{array}{r} 3842 \\ \times 26 \\ \hline \end{array}$$

- 30,736
- 99,892

Challenge #3

- Solve each "find the mistake" problem.
- Record answers on your brochure.
- Check your answers in the Monster Decoder.
- Add the clown to your science lab.
- Scan the QR code in the corner of the next page.
- Move on to the challenge #4.



1. Find the mistake:

$$\begin{array}{r} 348 \\ \times 43 \\ \hline 944 \\ + 1392 \\ \hline 14864 \end{array}$$

- They multiplied 4×8 incorrectly.
- After multiplying 4×4 they added 3 and 2 to the answer.
- When multiplying 4×3 , they forgot to carry the 1.
- The student did not make a mistake.

2. Find the mistake:

$$\begin{array}{r} 297 \\ \times 32 \\ \hline 594 \\ + 901 \\ \hline 9604 \end{array}$$

- After multiplying 3×9 they added 2 and 1 to the answer.
- They multiplied 2×9 incorrectly.
- When multiplying 7×2 , they forgot to carry the one.
- The student did not make a mistake.

3. Find the mistake:

$$\begin{array}{r} 713 \\ \times 75 \\ \hline 3555 \\ + 4991 \\ \hline 53465 \end{array}$$

- They forgot to carry the 1 after multiplying 5×3 .
- They multiplied 7×7 incorrectly.
- When multiplying 5×1 , they added 1 and 2 to the answer.
- The student did not make a mistake.

Challenge #4



- Solve each word problem.
- Record answers on your brochure.
- Check your answers in the Monster Decoder.
- Add the dog bowl to your science lab.
- Scan the QR code in the corner of the next page.
- Complete the experiments to make the monster!

1. Chhaya has played 14 levels of her Tetris game. She earned the maximum number of points, 250, each level. How many total points does she have now?

Show your work

- 3,500
- 2,600
- 3,300
- 5,500

2. Mr. Sanchez is selling apples at the festival. Apples come in bags of 16 apples. If he sells 376 bags, how many apples did he sell?

Show your work

- 5,916
- 6,016
- 5,986
- 5,616

3. Hadiza is helping to plant corn at her school farm. They will have 37 rows of corn with 256 seeds in each row. How many seeds will they plant in all?

Show your work

- 9,472
- 8,372
- 9,466
- 9,372

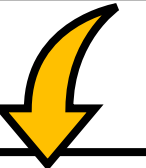
Learn more!



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 word problem.
2. Record answers on your brochure.
3. Check your answers in the Monster Decoder.
4. Add the dog bowl to your science lab.
5. Scan the QR code in the corner of the next page.
6. Complete the experiments to make the monster!

1. Chhaya has played 14 levels of her Tetris game. She earned the maximum number of points, 250, each level. How many total points does she have now?
2. Mr. Sanchez is selling apples at the festival. Apples come in bags of 16 apples. If he sells 376 bags, how many apples did he sell?
3. Hadiza is helping to plant corn at her school farm. They will have 37 rows of corn with 256 seeds in each row. How many seeds will they plant in all?

Show your work

Show your work

Show your work

- a. 3,500
- b. 2,600
- c. 3,300
- d. 5,500

- a.
- b.
- c.
- d.

4. Gaspar has been collecting shark teeth for 9 years. His friend Marcus just started collecting shark teeth last year and has found 76 teeth so far. Max has 23 times as many shark teeth as Marcus, how many shark teeth does Max have?

5. The soccer team completes 25 minutes of weight training during each practice session. If they have 117 practice sessions, how many minutes of weight training will they complete?

6. A parking lot has a capacity for 32 cars in each row. The lot has 263 rows. How many cars can the parking lot hold if all spots are full?

Show your work

Show your work

- a. 2,915
- b. 2,895
- c. 2,925
- d. 2,825

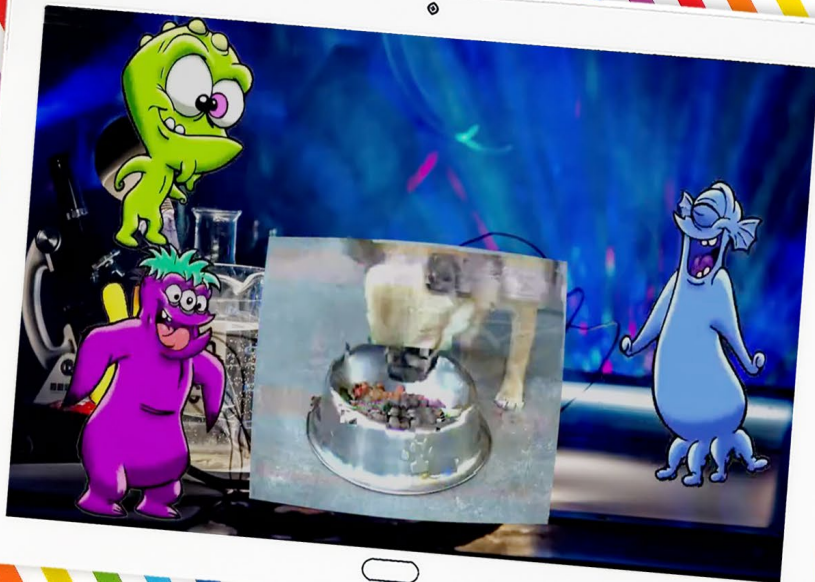
- a. 7,416
- b. 8,416
- c. 8,316
- d. 8,406

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



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738
1,638
1,848
1,748



Challenge #1

1. Solve each multiplication problem.
2. Record answers on your brochure.
3. Check your answers in the Monster Decoder.
4. Add the baby bottle to your science lab.
5. Scan the QR code in the corner of the next page.
6. Move on to the challenge #2.



$$\begin{array}{r} 342 \\ \times 34 \\ \hline \end{array}$$

- a. 10,528
b. 11,628
c. 12,628
d. 11,548

$$\begin{array}{r} 156 \\ \times 41 \\ \hline \end{array}$$

- a. 6,196
b. 4,396
c. 6,396
d. 996

Challenge 1

Solve the Multiplication Problem

$$\begin{array}{r} \square \\ \square \\ 342 \\ \times 34 \\ \hline \square \square \square \square \\ + \square \square \square \square \\ \hline \square \square \square \square \square \square \end{array}$$

- a. 10,528



Solve the multiplication problem.

$$\begin{array}{r} 342 \\ \times 34 \\ \hline \end{array}$$

10,528

11,628

12,628

11,548

3 Versions

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

Learn more!



	PDF		

3 Versions

- Print
- Google Slides
- Webscape TM (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!



Monster Decoder

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

Challenge 1

question 1
a = We
b = I
c = The scientist
d = First

question 2
a = gave
b = wanted
c = turned
d = I

question 3
a = some
b = the baby
c = the
d = tried to

question 4
a = little
b = monsters
c = scary
d = turn them

question 5
a = monsters
b = to be
c = monsters to
d = into

question 6
a = lots
b = super
c = cute,
d = pets

question 7
a = of
b = cuddly
c = fluffy
d = but

question 8
a = toys
b = so
c = babies
d = then

question 9
a = and
b = I
c = then
d =

question 10
a = they
b = turned
c =

question 11
a = cry
b = into babies
c = with them
d = instead

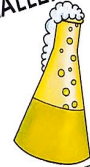
question 12
a = cry
b = into babies
c = with them
d = instead

SCIENCE LAB RECORDING BROCHURE

Record your
challenge answers
along your
journey.



CHALLENGE 3



Answer	Answer
1. c	7. b
2. a	8. d
3. a	9. b
4.	10.
5.	11.
6.	12.

How did you perform the
Fear Experiment?

Monster Science Escape Room

James Hall

(name)

has successfully completed the challenges and escaped the lab.

10/03

(Date)



The Mad Scientist

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



©2018 Pops



Print

- OOPS! Cards for differentiation

Ooops!

You spilled dog food on the floor and slipped.



NO HELPING YOUR TEAM FOR
3 MINUTES!

©2018 Pops

Learn more!



Webscape™

- 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

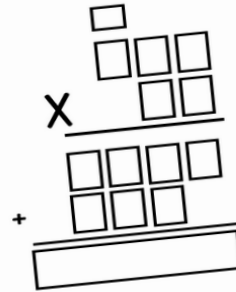
Learn more!



Challenge 4 Solve the Word Problem

Chhaya has played 14 levels of her Tetris game. She earned the maximum number of points, 250, each level. How many total points does she have now?

- a. 3,500
- b. 2,600
- c. 3,300
- d. 5,500



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?

