

MATH

2nd Grade



CATCH AN ELF ESCAPE ROOM

PRINTABLE • GOOGLE • WEBSCAPE™





Let's go!

Dear Student,

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

You must follow the trail and find these 4 items to find the missing elf:

1. Cookies
2. Snow
3. Sled
4. Fireplace

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

Sincerely,

Head Elf

Find the Missing Elf!

Students won't realize they are practicing important math 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 important math skills
- Each challenge takes about 20-30 minutes

Learn more!



Challenge #1



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



- Solve each "place value" problem.
- Record answers on your brochure.
- Check your answers in the Catch an Elf Decoder.
- Add the cookie to the workshop.
- Scan the QR code in the corner of this page.
- Move on to the challenge #2.

1. How many tens are in the number below?

873

- 8
- 7
- 6
- 3

3. Which of the following has the same value in the tens place as the number below?

682

- 868
- $200 + 80 + 6$
- $800 + 30 + 4$
-

2. Which of the following ways could you show the number below?

624

- $600 + 20 + 40$
- Six hundred twenty forty
-
-

4. Which of the following has the same value in the hundreds place as the number below?

287

- $300 + 20 + 8$

4. The sleigh needs 76 feet of space to come to a complete stop on a roof. If your roof is 82 feet long, how much extra space will there be on the roof?

Show Your Work

- 4 feet
- 6 feet
- 8 feet
- 12 feet

5. Santa drank 14 cups of hot chocolate, you drank 9 cups, and the elf drank 17 cups before you caught him. How many cups of hot chocolate did you, Santa, and the elf drink altogether?

Show Your Work

- 26 cups
- 30 cups
- 39 cups
- 40 cups

6. The wrapping station started out with 60 rolls of wrapping paper. The elves used 42 rolls to wrap the presents made yesterday. How many rolls are left in the wrapping station?

Show Your Work

- 17 rolls
- 18 rolls
- 19 rolls
- 20 rolls

Challenge #2



- Solve each word problem.
- Record answers on your brochure.
- Check your answers in the Catch an Elf Decoder.
- Add the snowflake to the workshop.
- Scan the QR code at the bottom of the next page.
- Move on to challenge 3.

1. The elves must make 95 toys each week to make their holiday goal. If they already made 47 toys this week, how many more toys do they still need to make?

Show Your Work

- 48
- 47
- 56
- 33

2. You line up 25 candy canes, 18 gum drops, and 46 gingerbread men to make the elves come into your kitchen where you have a trap. How many items did you set up in your trap?

Show Your Work

- 64
- 68
- 79
- 89

3. Papa Elf is checking Santa's list. He checked 53 names on Tuesday and 39 names on Wednesday. How many names must he check on Thursday if he needs to check 100 names total?

Show Your Work

- 6
- 8
- 12
- 16

4 Mathematics Challenges

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

Learn more!



Challenge #3

- Solve each shapes problem.
- Record answers on your brochure.
- Check your answers in the Catch an Elf Decoder.
- Add the elf to the workshop.
- Scan the QR code in the corner of this page.
- Move on to the challenge #4.

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



- What shapes are shown below?



- Triangle, heptagon, circle, pentagon
- Triangle, pentagon, oval, hexagon
- Triangle, pentagon, circle, octagon
- Square, heptagon, oval, hexagon

- How many sides and vertices does the shape have?



- Which shape has 6 sides and 6 vertices?



- Shape 1
- Shape 2
- Shape 3
- Shape 4

- Which shapes are shown below?



- Cube, triangular pyramid, sphere, rectangular solid
- Sphere, triangular pyramid, rectangular solid, cube

- Which shape has 0 vertices and 0 faces?



- Shape 1
- Shape 2
- Shape 3
- Shape 4

- How many edges, faces, and vertices does the shape have?



- 8 edges, 5 faces, 5 vertices
- 8 edges, 5 faces, 6 vertices

Challenge #4

- Solve each "find the mistake" problem.
- Record answers on your brochure.
- Check your answers in the Catch an Elf Decoder.
- Add the elf to the workshop.
- Scan the QR code in the corner of the next page.
- Find the fireplace and catch the elf!



- What mistake did the student make when adding the numbers?

$$\begin{array}{r} 37 + 59 = 97 \\ 30 + 7 \\ + 50 + 9 \\ \hline 80 + 17 = 97 \end{array}$$

- The student added $30 + 50$ incorrectly.
- The student forgot to add the 10 they regrouped when adding $7 + 9$.
- The student added $7 + 9$ incorrectly.
- The student did not make a mistake.

- What mistake did the student make when subtracting the numbers?

$$\begin{array}{r} 92 - 28 = 56 \\ 80 - 12 \\ - 90 + 2 \\ \hline 20 + 8 \\ 60 - 4 = 56 \end{array}$$

- The student subtracted $80 - 20$ incorrectly.
- The student subtracted $60 - 4$ when they should have added $60 + 4$.
- The student did not need to regroup a ten from the 90.
- The student did not make a mistake.

- What mistake did the student make when adding the numbers?

$$\begin{array}{r} 56 + 19 = 75 \\ 50 + 6 \\ + 10 + 9 \\ \hline 60 + 15 = 75 \end{array}$$

- The student added $50 + 10$ incorrectly.
- The student did not regroup a ten when adding $6 + 9$.
- The student added $60 + 15$ when they should have subtracted.
- The student did not make a mistake.

- What mistake did the student make when adding the numbers?

$$\begin{array}{r} 77 \\ + 17 \\ \hline 84 \end{array}$$

- The student did not regroup a ten after adding $7 + 7$.
- The student added $7 + 1$ incorrectly.
- The student added an extra one to $7 + 7$.
- The student did not make a mistake.

- What mistake did the student make when subtracting the numbers?

$$\begin{array}{r} 84 \\ - 17 \\ \hline 73 \end{array}$$

- The student subtracted $8 - 1$ incorrectly.
- The student did not ungroup a 10 from the 8 before subtracting $4 - 7$.
- The student added $4 + 7$ instead of $4 - 7$.
- The student did not make a mistake.

- What mistake did the student make when adding the numbers?

$$\begin{array}{r} 58 \\ + 29 \\ \hline 87 \end{array}$$

- The student added $5 + 2$ incorrectly.
- The student did not regroup a 10 after adding $8 + 9$.
- The student did $8 - 9$ instead of $8 + 9$.
- The student did not make a mistake.

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



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Challenge #1



1. Solve each "place value" problem.
2. Record answers on your brochure.
3. Check your answers in the Catch an Elf Decoder.
4. Add the cookie to the workshop.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #2.

1. How many tens are in the number below?

873

- a. 8
- b. 7
- c. 6
- d. 3

2. Which of the following you show the number 624

- a. $600 + 20 + 4$
- b. Six hundred
- c.
- d.

3. Which of the following is the same value in the number below?

682

- a. 868
- b. 200
- c. 800
- d.

1.

Solve the Place Value Problem

How many tens are in the number below?

873



- a. 8
- b. 7
- c. 6
- d. 3



1. How many tens are in the number below?

873

8

7

6




3

3 Versions

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

Learn more!



	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
- Google Slides
- 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!



FIND THE ELF CHALLENGE

Jessica Jones

(name)

has successfully completed the challenges and caught the missing elf!

07/12

(Date)

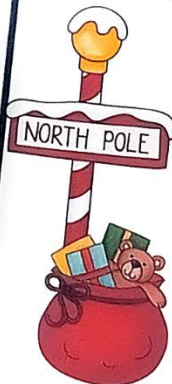
Santa Claus

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



Oops!

You ate too many cookies and got a tummy ache!



YOU MUST STAY QUIET FOR 5 MINUTES. NO SPEAKING!

Print

- OOPS! Cards for differentiation

Learn more!



Webscape TM

Challenge #1

Click on each clue and answer the questions. Answer carefully, because the right answers will give you the clues to solve the challenge!

How did you find the cookies?

I

followed

Clue #3

Clue #4

Clue #5

Clue #6

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

Learn more!



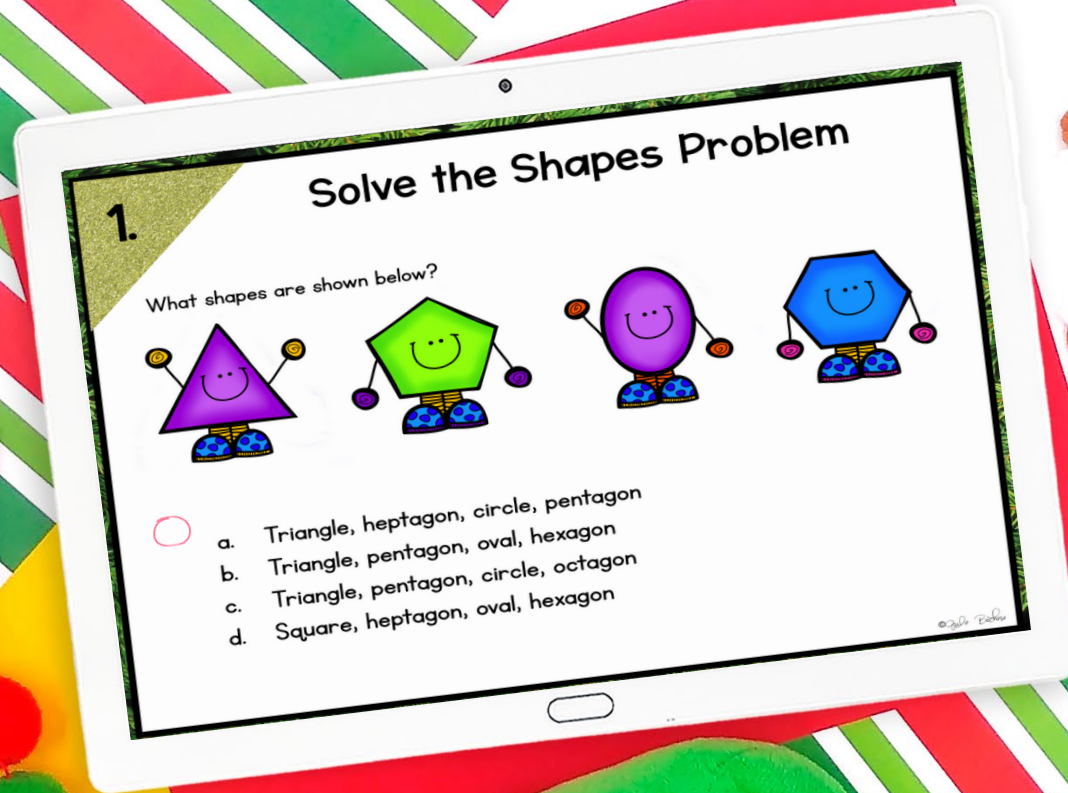
Webscape TM

- 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!



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

2nd Grade



Math Escape Rooms

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

Telling Time: Time Machine Escape Room

ENGAGE VIDEO: TELL THE STORY

Print and Digital

2D & 3D Shapes Catch the Bandit Escape Room

2nd Grade



Dear Student,

You're having a great time visiting the big city! But while you're out seeing the sites, petty crime caught up with you. A bandit took some money out of your backpack.

You must follow the bandit to catch him and get your money back.

1. Go to the waterfront.
2. Go to Chinatown.
3. Go to the park.
4. Go to Downtown.

After each challenge, add the pin to your map to catch the bandit.


Sincerely,
Friendly Neighborhood Crime Watchers

Print and Digital

MagiCORE

Add and Subtract to 100 Atlantis Escape Room

2nd Grade



Find the Mistake

1. What mistake did the student make when adding the numbers?

$$\begin{array}{r} 50 + 8 \\ + 30 + 3 \\ \hline 80 + 12 = 92 \end{array}$$

- a. The student added $50 + 30$ incorrectly.
- b. The student forgot to add the ten they regrouped after adding $8 + 3$.
- c. The student added $8 + 3$ incorrectly.
- d. The student added $80 + 12$ incorrectly.

Print and Digital

MagiCORE