

MATH

3rd Grade



CATCH AN ELF ESCAPE ROOM

PRINTABLE • GOOGLE • WEBSCAPE™



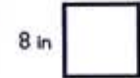
FIND THE MISSING ELF!

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!

Challenge #3

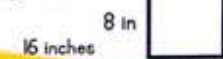
1. Solve each area and perimeter problem.
2. Record answers on your brochure.
3. Check your answers in the Catch an Elf Decoder.
4. Add the elf to the workshop.
5. Scan the QR code in the corner of the next page.
6. Move on to the challenge #4.

1. The elf stole one of your presents. To get it back, you must answer some questions. The green square below represents the top of a box. What is the area of the top of the square?



- 16 square inches
64 square inches
24 square inches
56 square inches

2. What is the perimeter of the top of the square box?



8 in
16 inches



3. You plan to pull the rug out from under the elf when he tries to steal another present. If the area of the rug is 70 square feet, and the width is 7 feet, what is the length of the rug?



- a. 17 feet
b. 50 feet
c. 20 feet
d. 10 feet

4. You have 3 pieces of paper to choose from to choose the largest area. Which should you pick?



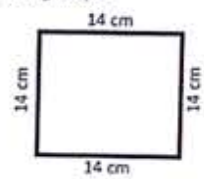
- a. Paper 1
b. Paper 2
c. Paper 3
d. Any, they are the same

Challenge #4

1. Solve each shapes problem.
2. Record answers on your brochure.
3. Check your answers in the Catch an Elf Decoder.
4. Add the elf to the workshop.
5. Scan the QR code in the corner of the next page.
6. Find the fireplace and catch the elf!

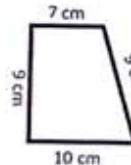


1. Which is the best way to classify the following shape?



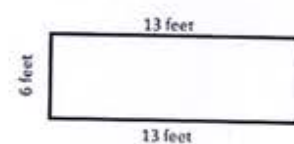
- a. Quadrilateral, rhombus, square
b. Quadrilateral, rhombus
c. Quadrilateral, rectangle, square, rhombus

2. Which is the best way to classify the following shape?



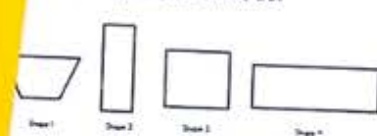
- a. Quadrilateral, rhombus
b. Quadrilateral, trapezoid
c. Quadrilateral, rectangle, rhombus, square
d. Quadrilateral, square

3. Which is the best way to classify the following shape?



- a. Quadrilateral, rhombus
b. Quadrilateral
c. Quadrilateral, rectangle, rhombus, square
d. Quadrilateral, rectangle

4. You want to decorate your tree with only ornaments that are quadrilaterals, but not rectangles. Which shape below could your ornaments be?



- a. Shape 1
b. Shape 2
c. Shape 3
d. Shape 4

5. You want to give presents that are rectangles. What is the name of another shape that can also always be called a rectangle?



- a. triangle
b. square
c. rhombus
d. trapezoid

6. The elf left you a riddle when he escaped your trap. What is the answer to the riddle below:

I am a quadrilateral. I am ALWAYS a parallelogram with equal sides. I am sometimes a square. What am I?

- a. rectangle
b. square
c. trapezoid
d. rhombus

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



PRINT & DIGITAL VERSIONS

PRINTABLE:

- Minimal Paper
- Great for group work
- Track answers with Brochure
- QR Codes for story videos

MAGiCORE WEB

- Most popular experience
- Self-Checking
- Audio & Animation
- Access in Web Browser

GOOGLE SLIDES

Challenge #2

1. Solve each multiplication or division problem.
2. Record answers on your brochure.
3. Check your answers in the Catch an Elf Decoder.
4. Add the snowflake to the workshop.
5. Scan the QR code in the corner of the next page.
6. Move on to challenge 3.

1. Find the missing number:

$$7 \times \underline{\quad} = 56$$

$$\underline{\quad} \times 7 = 56$$

$$56 \div \underline{\quad} = 7$$

$$56 \div 7 = \underline{\quad}$$

- a. 8
- b. 7
- c. 6
- d. 5

2. Find the missing equation:

$$6 \times 3 = 18$$

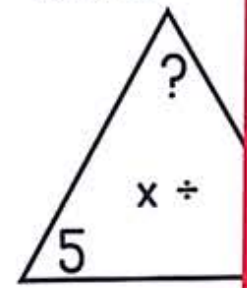
$$3 \times 6 = 18$$

$$18 \div 6 = 3$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

- a. $18 - 6 = 12$
- b. $6 + 3 = 9$
- c. $6 \div 18 = 3$
- d. $18 \div 6 = 3$

3. Which equation goes with the fact family?



5. Papa Elf is checking Santa's list. He checked 453 names on Tuesday and 239 names on Wednesday. How many names must he check on Thursday if he needs to check 800 names total?

Show your Work

- a. 108
- b. 98
- c. 126
- d. 167

6. The wrapping station started out with 360 rolls of wrapping paper. The elves used 142 rolls to wrap the presents made yesterday. How many rolls are left in the wrapping station?

Show your Work

- a. 224 rolls
- b. 318 rolls
- c. 218 rolls
- d. 333 rolls

Challenges

1. Solve the addition or subtraction problems
2. Solve the multiplication or division problems
3. Solve the area and perimeter problems
4. Solve the shapes problems

LET'S GO

**ORIG★INAL
VIDEOS
TELL THE
STORY
★IN PARTS
THROUGHOUT
THE ACT★IVITY**





**PRINTABLE
BROCHURE TO
TRACK ANSWERS
IN PRINT OR
DIGITAL
VERSIONS**

Elf 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 = I saw b = I c = I secretly d = I ran	a = another b = noticed c = followed d = after	a = elf b = the smell c = head elf d = an elf	a = go in b = coming from c = to see if they d = to	a = Mrs. Clow's b = Santa's c = were in the d = see he could	a = house. b = office. c = bakeshop. d = tell me.

question 1	question 2	question 3	question 4	question 5	question 6
a = I b = The c = A snowman d = First I	a = asked b = high c = told me d = watched for	a = a b = flying c = too go d = kids.	a = snowman b = snowballs c = away d = then followed	a = where b = showed c = and chased d = them to	a = to go. b = them. c = me to it. d = the snow.

question 1	question 2	question 3	question 4	question 5	question 6
a = By b = I c = An elf	a = looking b =	a = the b = if he heard c = top d = hill and	a = bottom of b = of c = of a hill d = kept looking	a = the hill b = the sled c = and I followed. d = until I saw it.	

question 4	question 5	question 6
a = warm b = but I went in a c = of the fire d = single	a = fire b = room c = to his d = chimney	a = and found him. b = inside to find him. c = favorite room. d = twice.

CATCH AN ELF RECORDING BROCHURE

Record your
challenge answers
along your
journey.



CHALLENGE 3



	Answer	Code
1.	b	I
2.	c	Went
3.		
4.		
5.		
6.		

How did you find the sled?



FIND THE ELF CHALLENGE

Jessica Jones

(name)

has successfully completed the challenges and caught the missing elf!

07/12

(Date)

Santa Claus

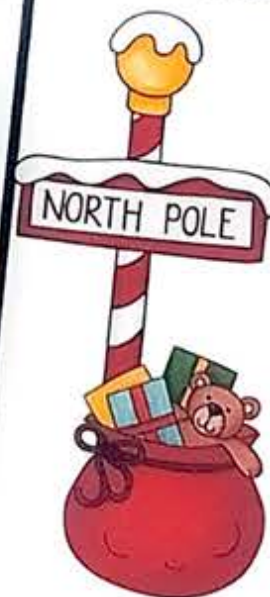


Scan the QR code or click [here](#) to view the video.



Oops!

You ate too many cookies and got a tummy ache!



YOU MUST STAY QUIET FOR 5 MINUTES. NO SPEAKING!

**"OOOPS" CARDS
TO ADD A
CHALLENGE AND
DIFFERENTIATION**

**COMPLETION
CERTIFICATE**



Challenge #2

1. Solve each multiplication or division problem.
2. Record answers on your brochure.
3. Check your answers in the Catch an Elf Decoder.
4. Add the snowflake to the workshop.
5. Scan the QR code in the corner of the next page.
6. Move on to challenge 3.

1. Find the missing number:

$$7 \times \underline{\quad} = 56$$

$$\underline{\quad} \times 7 = 56$$

$$56 \div \underline{\quad} = 7$$

$$56 \div 7 = \underline{\quad}$$

- a. 8
- b. 7
- c. 6
- d. 5

2. Find the missing equation:

$$6 \times 3 = 18$$

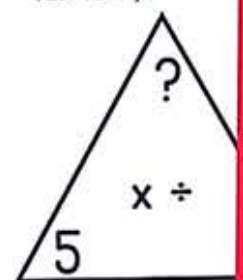
$$3 \times 6 = 18$$

$$18 \div 6 = 3$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

- a. $18 - 6 = 12$
- b. $6 + 3 = 9$
- c. $6 \div 18 = 3$
- d. $18 \div 6 = 3$

3. Which equation goes with the fact family?



- a. $5 \times 3 = 15$
- b. $5 \div 3 = 15$
- c. $5 + 3 = 15$
- d. $5 - 3 = 15$

5. Papa Elf is checking Santa's list. He checked 453 names on Tuesday and 239 names on Wednesday. How many names must he check on Thursday if he needs to check 800 names total?

Show your Work

- a. 108
- b. 98
- c. 126
- d. 167

6. The wrapping station started out with 360 rolls of wrapping paper. The elves used 142 rolls to wrap the presents made yesterday. How many rolls are left in the wrapping station?

Show your Work

- a. 224 rolls
- b. 318 rolls
- c. 218 rolls
- d. 218 rolls

Challenge #1

1. Solve each addition or subtraction 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 the next page.
6. Move on to the challenge #2.

1. Solve the problem below:
 $487 + 276 =$

- a. 663
- b. 763
- c. 653
- d. 773

2. Solve the problem below:
 $805 - 359 =$

- a. 534
- b. 428
- c. 446
- d. 466



3. What step should you do next to solve this problem?

$$\begin{array}{r} 608 \\ - 247 \\ \hline 1 \end{array}$$

- a. Subtract 4 - 0 to get 4 in the tens place.
- b. Regroup a hundred from the 6 since you cannot subtract 4 from 0.
- c. Regroup a ten from the 8 since you cannot subtract 4 from 0.
- d. Subtract 6 - 2 to get 4 in the hundreds place.

Show your Work

- a. 167
- b. 253
- c. 147
- d. 153

Click the QR code to view the QR code in the corner of the next page.

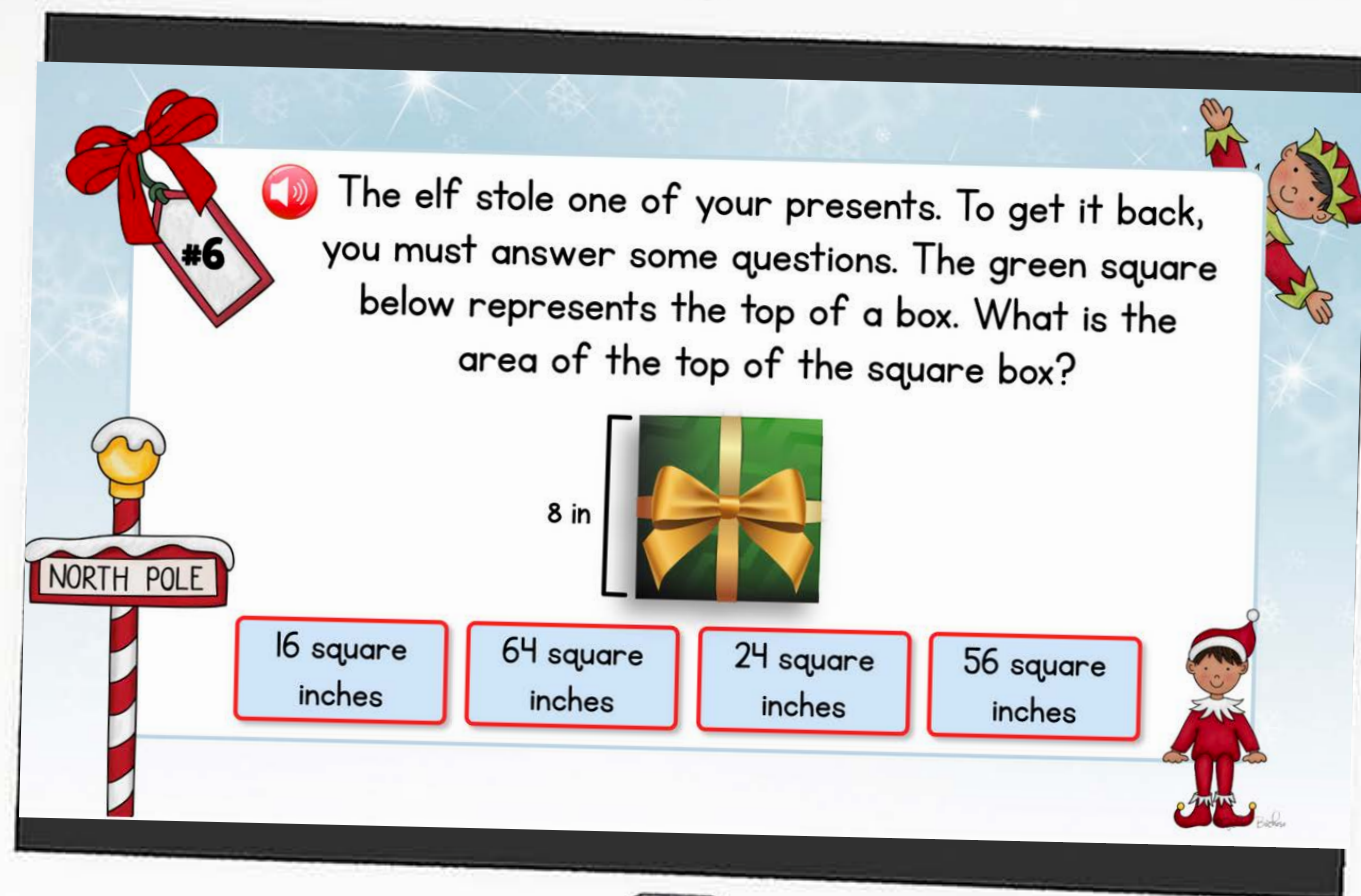


SKILLS ADDRESSED

- Addition & Subtraction Word Problems to 1,000
- Multiplication & Division
- Area & Perimeter
- Classify Shapes

**MAG★CORE
WESCAPED IS
AN EXPERIENCE
LIKE NO OTHER!**

Answer questions
to reveal clues to
solve the puzzle!





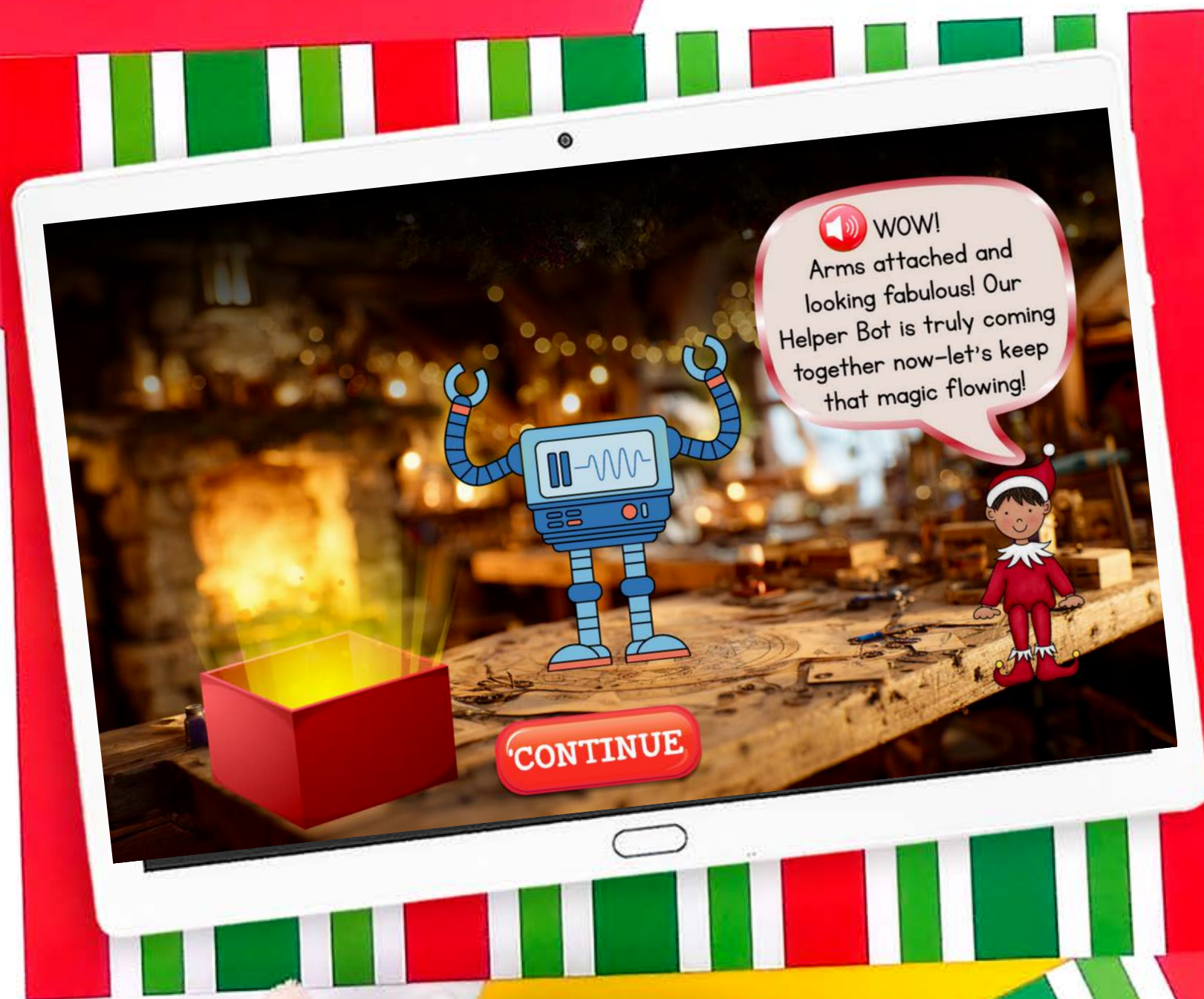
MAG★CORE WEB

- Full Audio
- Animation
- Sound Effects

MAG★CORE WEB

- Self-Correcting
- Requires
Critical
Thinking





**MAGI★CORE
WEB ★ IS AN
EXPERE★NCE
LIKE NO
OTHER!**



LOVE THIS DIGITAL RESOURCE?

you'll  magiccore academy!

What's INSIDE?

HUNDREDS of digital, interactive resources for your entire class.

- Assign directly to your students
- Easily differentiate for your class
- Teacher portal to view student responses
- Self-correcting for immediate student feedback
- Lexile levels & audio read aloud options
- Engaging animation

MagicCORE
academy

Resources include: ★

- Escape Rooms
- Virtual Field Trips
- Interactive Readers
- Mini Lessons
- Games
- Magical Mysteries

...and more added daily!



MAGICCOREACADEMY.COM
10-DAY FREE TRIAL!