

Fire Science

Hard ★★★

Words can go across, down, diagonally, and even backwards!

Name: _____

A	S	P	A	R	K	E	N	S	T	T	B	N	S	W
E	I	A	H	H	E	E	O	S	M	O	T	H	E	R
R	O	T	R	I	E	I	I	M	I	E	E	L	F	R
I	O	N	E	E	H	A	T	U	B	I	G	H	A	C
P	U	O	N	M	B	T	C	N	G	N	E	E	L	C
C	K	I	M	E	P	M	A	C	A	X	R	S	R	H
O	A	T	L	S	I	E	E	I	T	Y	M	W	O	E
O	A	I	I	I	U	C	R	I	R	O	H	T	I	M
L	A	N	R	O	I	T	N	A	K	I	H	E	M	I
T	M	G	O	E	E	G	I	E	T	E	T	A	A	S
M	A	I	I	R	U	S	A	R	G	U	U	A	L	T
T	A	M	I	I	U	S	H	S	S	Y	R	I	S	R
E	P	F	S	E	I	B	C	N	M	E	X	E	E	Y
U	T	H	T	T	U	H	H	E	E	H	I	O	R	G
N	O	I	T	S	U	B	M	O	C	L	E	U	F	K

- | | | |
|--------------------------------------|-------------------------------------|-----------------------------------|
| ☐ CHAIN REACTION | ☐ EXTINGUISH | ☐ OXYGEN |
| ☐ CHEMISTRY | ☐ FIRE TRIANGLE | ☐ SMOKE |
| ☐ COMBUSTION | ☐ FUEL | ☐ SMOTHER |
| ☐ COOL | ☐ HEAT | ☐ SPARK |
| ☐ EMBER | ☐ IGNITION | ☐ TEMPERATURE |

Tools of the Trade

Hard ★★★

Words can go across, down, diagonally, and even backwards!

Name: _____

R	S	H	A	L	L	I	G	A	N	T	A	X	E	X
Y	E	N	H	E	N	D	E	A	F	G	A	E	O	A
S	D	A	A	X	T	C	N	T	A	E	D	A	R	Y
E	A	N	I	T	A	L	E	T	N	O	N	E	F	S
R	A	N	P	I	E	P	L	M	R	A	M	E	N	R
A	R	H	N	N	N	H	I	O	D	A	R	N	D	F
D	E	C	H	G	N	N	N	K	C	E	S	D	L	I
I	A	N	L	U	N	H	O	L	E	T	O	A	Y	A
O	O	E	W	I	O	O	A	R	E	P	S	G	O	H
R	E	R	F	S	O	M	Z	K	C	H	O	O	N	T
T	R	W	E	H	R	R	T	Z	L	E	N	L	T	O
R	U	H	T	E	P	O	R	I	L	E	E	I	E	A
W	N	N	H	R	I	I	G	R	P	E	C	A	E	L
P	A	T	L	U	Z	H	P	H	R	E	D	D	A	L
R	Y	S	P	M	T	D	E	I	I	E	R	R	R	S

☐ AXE

☐ EXTINGUISHER

☐ FAN

☐ FLASHLIGHT

☐ HALLIGAN

☐ HOSE

☐ HYDRANT

☐ LADDER

☐ NOZZLE

☐ PIKE POLE

☐ RADIO

☐ ROPE

☐ SAW

☐ THERMAL CAMERA

☐ WRENCH

Safe at Home

Hard ★★★

Words can go across, down, diagonally, and even backwards!

Name: _____

A	E	B	T	W	O	W	A	Y	S	O	U	T	T	D
C	C	W	R	S	T	O	V	E	I	F	N	K	N	S
R	A	Z	O	R	M	Y	L	S	L	A	N	I	E	E
G	L	T	E	L	E	R	S	H	L	A	C	D	I	I
D	P	D	E	S	L	E	A	P	D	L	T	F	U	R
E	G	S	O	S	R	W	E	L	O	N	E	R	U	E
S	N	E	T	D	T	P	A	S	A	D	R	E	O	T
O	I	E	D	A	A	M	E	R	S	E	L	E	U	T
T	T	A	Y	C	Y	T	O	R	C	V	K	Z	O	A
P	E	L	S	A	H	O	D	N	Y	N	W	O	E	B
T	E	E	D	E	N	E	U	O	T	R	M	N	M	O
A	M	U	D	T	T	H	O	T	D	H	H	E	T	S
E	N	O	E	N	O	E	N	I	N	D	L	S	E	Y
C	O	F	I	R	E	D	R	I	L	L	V	Y	O	O
R	F	E	L	R	E	T	A	E	H	E	C	A	P	S

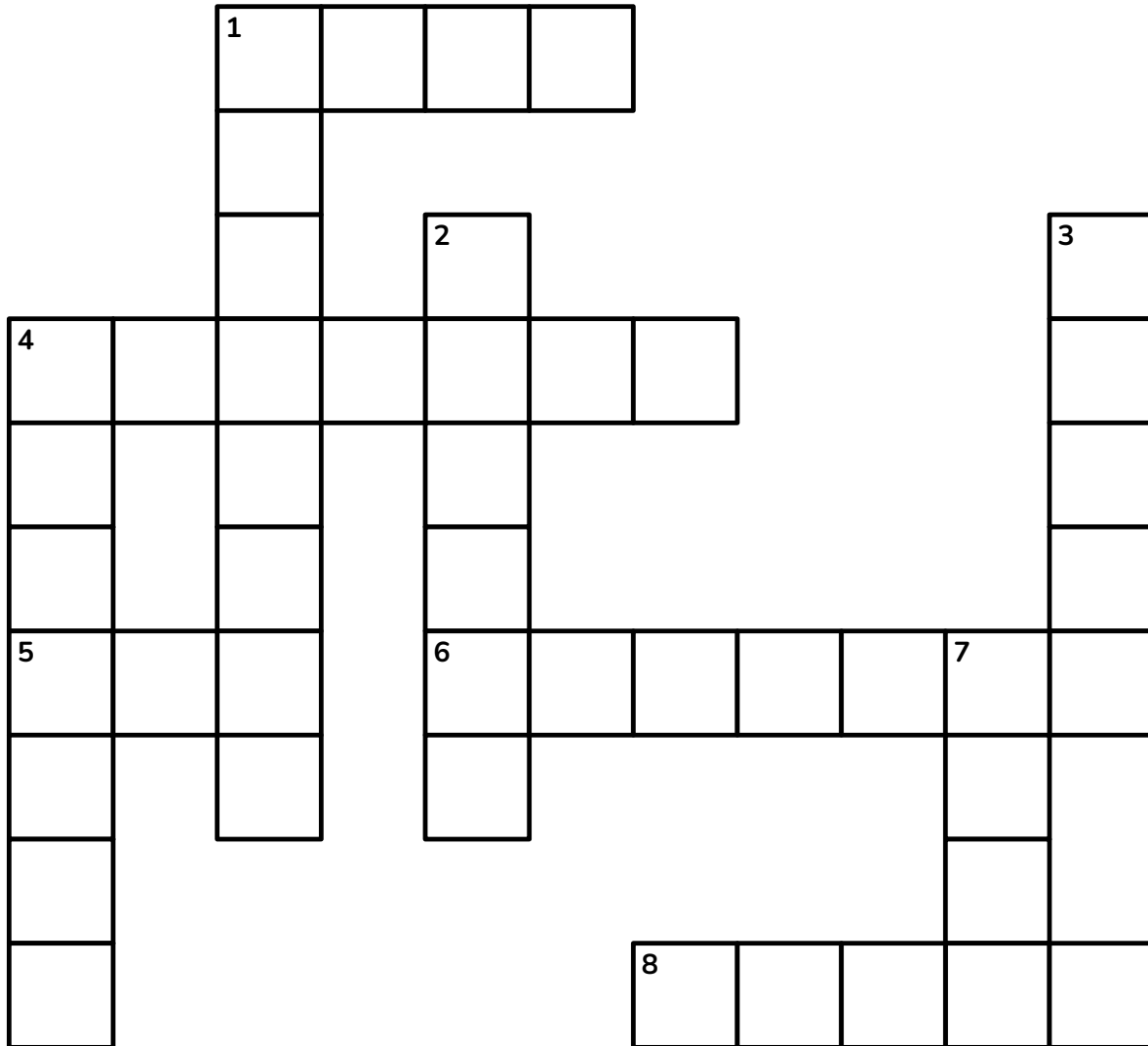
- | | | |
|--------------------------------------|-------------------------------------|------------------------------------|
| ☐ ADDRESS | ☐ FIRE DRILL | ☐ SPACE HEATER |
| ☐ BATTERIES | ☐ KID FREE ZONE | ☐ STAY OUT |
| ☐ CLOSE THE DOOR | ☐ MEETING PLACE | ☐ STOVE |
| ☐ CRAWL LOW | ☐ NINE ONE ONE | ☐ TEST MONTHLY |
| ☐ ESCAPE PLAN | ☐ SMOKE ALARM | ☐ TWO WAYS OUT |

Safe at Home Crossword

Medium ★★☆☆

Test your fire safety know-how. Read each clue and fill in the squares.

Name: _____



Across

1. Feel a door with the ____ of your hand
4. ____ place: where your family gathers outside
5. Replace smoke alarms every ____ years
6. Call 9-1-1 from here, once you are safe
8. A single one every 30 to 60 seconds usually means a low battery

Down

1. Smoke alarms belong on every level, even here
2. Often your second way out of a room
3. Practice your fire drill at least ____ a year
4. How often to test smoke alarms
7. Close it behind you to slow smoke and fire

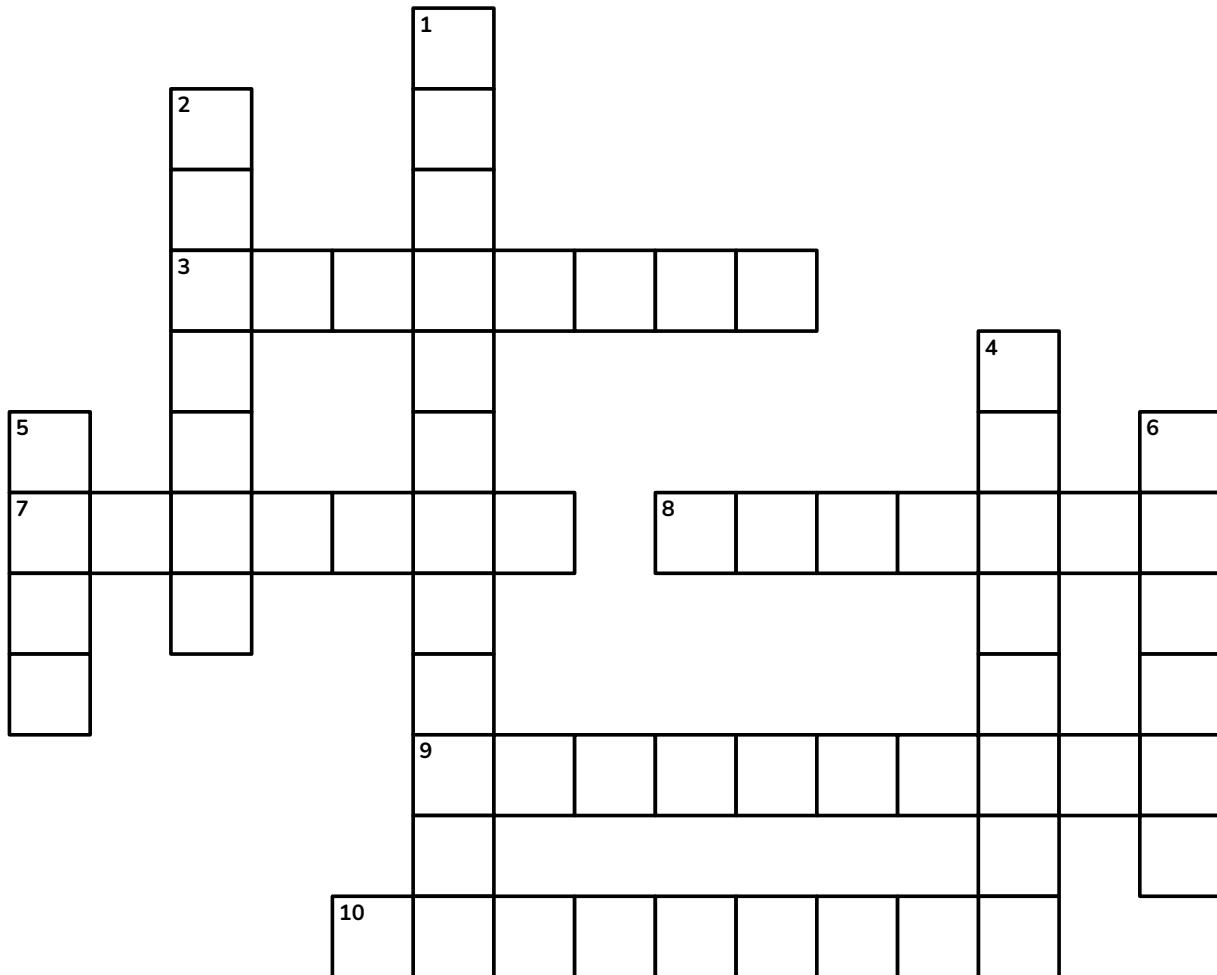


Fire History Crossword

Medium ★★☆☆

Real history! Read each clue and fill in the squares.

Name: _____



Across

3. President who proclaimed Fire Prevention Week in 1925
7. Month of Fire Prevention Week
8. City of the Great Fire of 1871
9. Alabama town of the first 9-1-1 call
10. Spotted dog of firehouse tradition

Down

1. City of the Union Fire Company
2. Early volunteers brought these to carry water
4. Benjamin ___ helped start the Union Fire Company
5. Firehouse slide credited to a Chicago captain in 1878
6. They pulled fire wagons before motors

Cryptogram: Smoke Alarm

Hard ★★★

Each letter stands for a different letter. Use the hints to crack the code!

Name: _____

A M O A A M
 B G C Z M Y B U B O C

 Q G A O A
 B K Z G Y W R B W

 K Y L Y O G U Y Y I G

Decoder: write the real letter under each code letter.

A	B	C	D	E	F	G	H	I	J	K	L	M
	A	M										
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
												O



Cryptogram: Stay Out

Hard ★★ ★

Each letter stands for a different letter. Use the hints to crack the code!

Name: _____

 Y A
 S A R V H S M W Z V

$$\frac{\quad}{S} \frac{\quad}{M} \frac{\quad}{Q}, \quad \frac{S}{B} \frac{\quad}{Q} \frac{A}{W} \frac{Y}{H}$$

 .
S M Q A V U V Z F S

 A **S** .

I W R N O A B O T V

Decoder: write the real letter under each code letter.

[illegible]

Who Rides Where?

Hard ★★★

Three firefighters each ride on a different rig and packed a different snack. Use the clues to figure out who rides where and what they packed.

Name: _____

1. Theo does not ride on the Rescue.
2. The firefighter who rides on the Engine packed pretzels.
3. Rosa did not pack granola bars.
4. Theo does not ride on the Engine.
5. Theo packed either apples or pretzels.

		Rig			Snack		
		Engine	Ladder Truck	Rescue	apples	pretzels	granola bars
Firefighter	Gus						
	Rosa						
	Theo						
Snack	apples						
	pretzels						
	granola bars						

Firefighter	Rig	Snack
Gus		
Rosa		
Theo		

Sudoku Challenge

Hard ★★★

Fill every row, column, and box with the numbers 1 to 9.

Name: _____

5			7				3	
	1		2		6	4	7	5
	7			9				6
6		2			8		4	9
			5		9			
9	8		4			5		3
2				4			5	
7	3	5	8		2		9	
	6				3			7

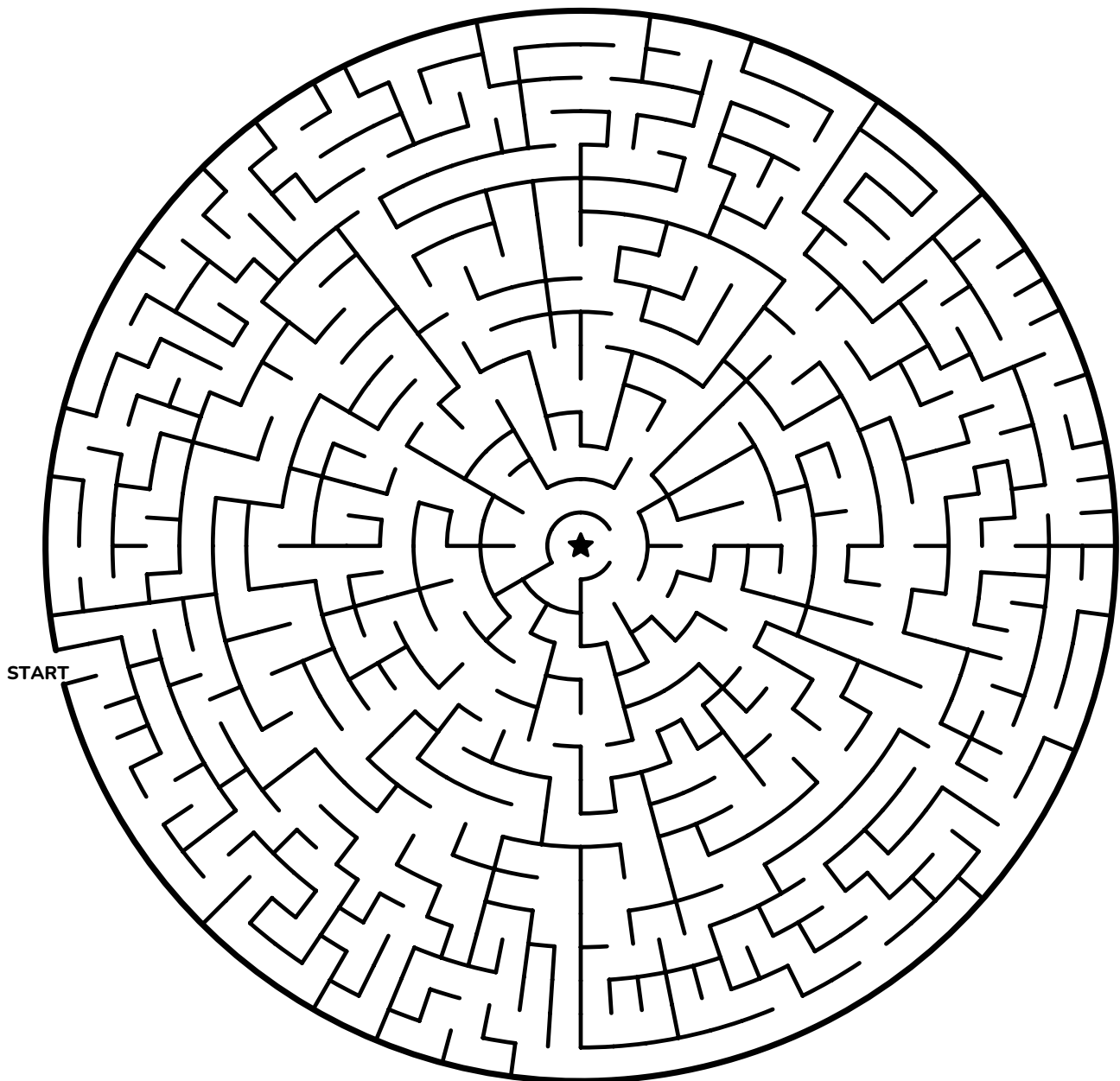


Fire Bell Maze

Hard ★★★

Find your way to the center of the bell!

Name: _____

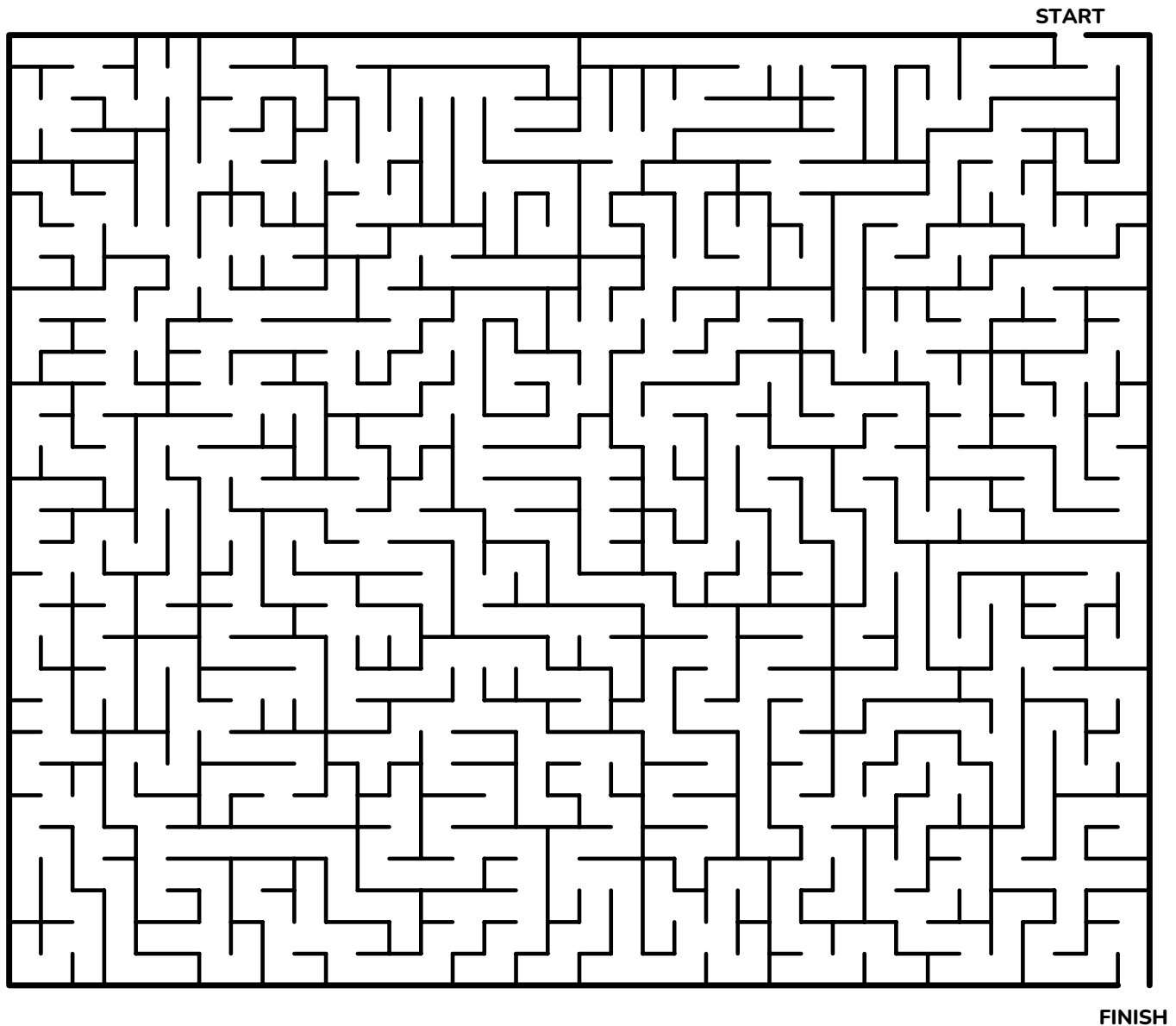


Station Maze

Hard ★★★

The alarm rang! Find the way from the bunkroom to the engine.

Name: _____



Hose Math

Medium ★★☆☆

Real firefighter numbers! A hose section is 50 feet, many engines can pump 1,000 gallons a minute, and a gallon of water weighs about 8 pounds. Show your work!

- 1** Fire hose comes in 50-foot sections. How many sections does a crew need to reach 200 feet?

Answer: _____

- 2** An engine hooked to a hydrant can pump 1,000 gallons of water a minute. How many gallons is that in 3 minutes?

Answer: _____

- 3** A gallon of water weighs about 8 pounds. How heavy are 10 gallons?

Answer: _____

- 4** A ladder truck's aerial reaches 100 feet. A ground ladder reaches 35 feet. How much farther can the aerial reach?

Answer: _____

- 5** A crew starts a 24-hour shift at 8 a.m. Monday. When will it end?

Answer: _____

- 6** A house has 6 smoke alarms. Each one is tested once a month. How many tests is that in one year?

Answer: _____

True or False?

Easy ★☆☆

Circle TRUE or FALSE for each statement.

- | | | |
|---|-------------------------------------|--------------------------------------|
| 1. Test your smoke alarms every month. | <input type="button" value="TRUE"/> | <input type="button" value="FALSE"/> |
| 2. If you get out of a fire, it's okay to go back in for your favorite toy. | <input type="button" value="TRUE"/> | <input type="button" value="FALSE"/> |
| 3. A closed door can slow smoke and fire. | <input type="button" value="TRUE"/> | <input type="button" value="FALSE"/> |
| 4. In a fire, the air near the floor is usually cleaner. | <input type="button" value="TRUE"/> | <input type="button" value="FALSE"/> |
| 5. If a door feels warm or hot, open it and run through. | <input type="button" value="TRUE"/> | <input type="button" value="FALSE"/> |
| 6. Hiding under a bed is a good idea during a fire. | <input type="button" value="TRUE"/> | <input type="button" value="FALSE"/> |
| 7. Call 9-1-1 from outside once you are safe. | <input type="button" value="TRUE"/> | <input type="button" value="FALSE"/> |
| 8. Smoke alarms last forever. | <input type="button" value="TRUE"/> | <input type="button" value="FALSE"/> |
| 9. Practice your home fire drill at least twice a year. | <input type="button" value="TRUE"/> | <input type="button" value="FALSE"/> |
| 10. Water is the best way to put out a grease fire. | <input type="button" value="TRUE"/> | <input type="button" value="FALSE"/> |

Safety Scramble

Medium ★★☆☆

Unscramble each word. Then use the circled letters to solve the bonus puzzle!

Name: _____

R A M L A →

X T E I →

N L A P →

W R C A L →

K O S E M →

I L D R L →

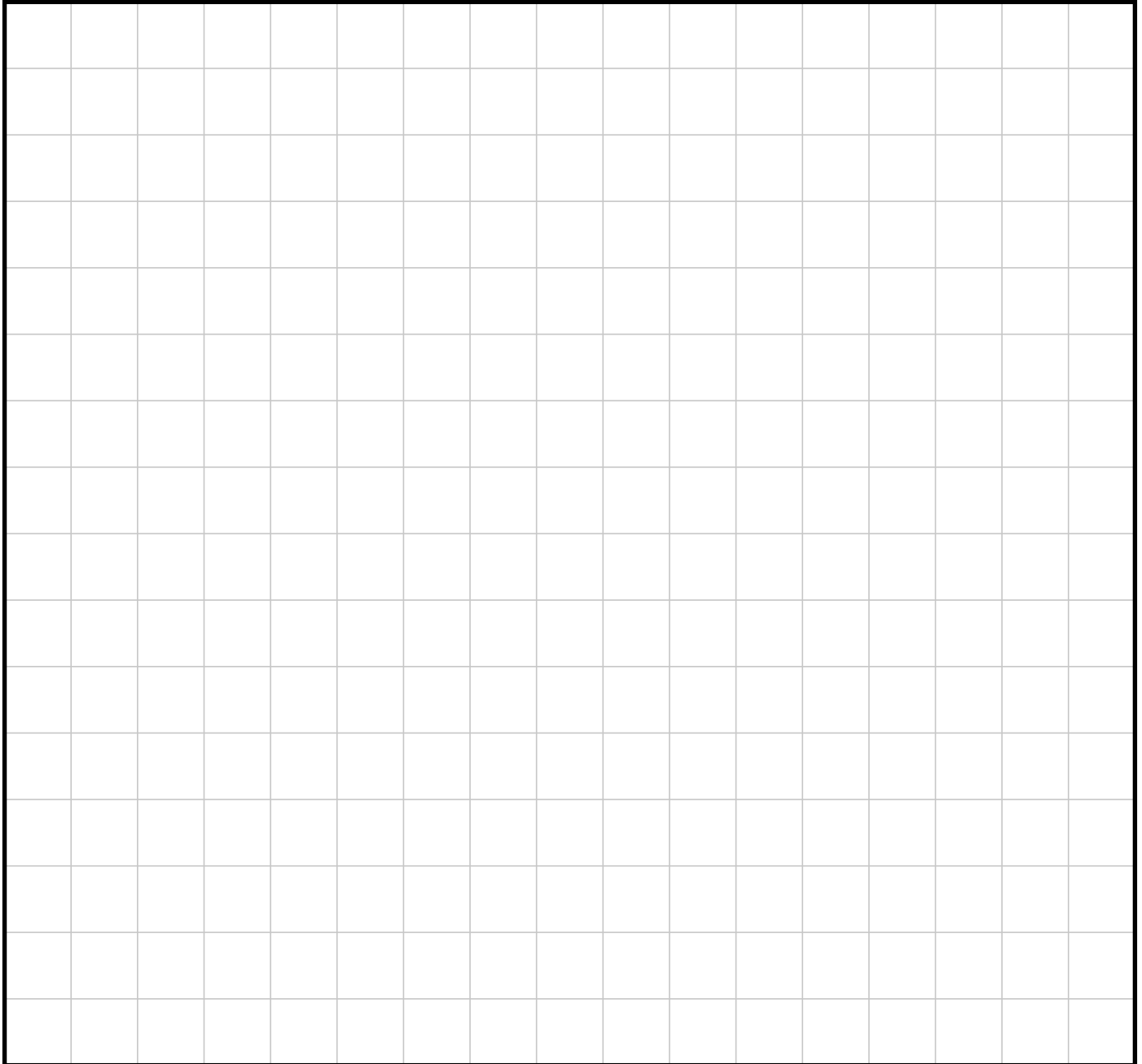
BONUS PUZZLE

Unscramble the circled letters!

Kids who know fire safety are super ____!

My Home Escape Plan

With a grown-up, draw a map of your home. Show two ways out of every room and your meeting place outside. Hang it on the fridge!



Draw an arrow out of every room



Mark each smoke alarm with a circle



Draw a star at your meeting place

