



# acadience® reading 7–8

## Maze

Student Materials

### Grade 8 | Progress Monitoring 1

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## Practice 1

As a member of a family, you have  
give  
lead the right to put a poster on your bedroom wall.

## Practice 2

You must put  
obey  
practice traffic laws.



	Passage 1	Passage 2	Passage 3
Correct			
Incorrect			

## Change of Plans

It was only a week prior to the big end-of-year dance performance when Ms. Mena, Kim's dance instructor, made the announcement that knocked Kim right off balance. Rather than perform in the

school 

conclusion  
auditorium  
progress

, Ms. Mena revealed there had been a 

fellow  
major  
cavernous

 change: the class had been invited to 

witness  
remember  
perform

 in what had been an old 

industrial  
new  
gone

 building.

Kim was horrified by the 

area  
idea  
time

 of performing inside the ancient, shadowy, 

firsthand  
crumbling  
perfect

 industrial building near the community college. Though she hadn't been in its 

event  
vicinity  
idea

 recently, she

clearly remembered the overgrown 

door  
performance  
field

 and the foreboding chain link fence that

asked  
knocked  
surrounded

 the creepy structure. Ms. Mena mentioned that the 

industrial  
worthy  
horrified

 building had recently

been renovated and 

converted  
motioned  
congregated

 into the community college's new performance 

eye  
space  
future

. However,

Kim couldn't imagine it being a 

link  
venue  
chain

 worthy of their dance.

The dancers had 

worked  
stayed  
gone

 diligently for months to learn their 

atmospheres  
colleges  
positions

 on the stage. Now

they would be 

forced  
thought  
jumped

 to adjust the dance to an 

unfamiliar  
unnerved  
overgrown

 space. Kim was doubly burdened by

the fact structure building that she was both a dancer and the mouth's troupe's art's new choreographer. She wanted this

performance to be absolutely diligently neatly perfect.

The next day the dance field garden troupe went to the new performance center to view invite the venue and board

then practice. The students dreams flowers buzzed with excitement as they boarded the dancer bus choreographer and Kim felt

it peculiar that she was the only one who converted toured seemed unnerved by this unsettling change of events delights lawns .

Perhaps once the others saw the sculpture awfulness troupe of the space, they could all watch protest reveal this decision in

unison.

When the unison stage bus stopped, Kim did not at all recognize feel view the area. The chain link fence and the

major overgrown innovative field were gone and in their place minute fact was a fantastic new performance arts announcement center moment .

The area surrounding the building had a quietly neatly doubly manicured lawn, beautiful flower gardens, and

hasty innovative right sculptures. This may actually work, thought Kim. Ms. Mena pondered asked protested the students to

quietly enter the building picture community since there was a rehearsal in progress student performer .

When they tiptoed into the wide entrance change month, the dancers gasped with delight at the unsettling enormous foreboding cavernous space with its extremely high rehearsal ceiling bus. Fuchsia, blue, and purple spotlights at ancient various manicured heights around the room created a shadowy wide crumbling, magical atmosphere. Each spotlight surrounded a venue performer ceiling like an oval picture frame. Kim and the others were mesmerized wanted recognized, their mouths gaping open and their surprises auditoriums eyes wide. What Kim and her fellow places dancers rooms were witnessing on stage was the London Metropolitan Dance Troupe from England. It had been the dream instructor class of many of the dancers to one vicinity space day perform with a professional dance troupe. To actually get mention explain to see the dancers on stage oval open firsthand was amazing.

After a few minutes, Ms. Mena motioned worked burdened the students to meet her outside the frame door excitement. Once they had congregated outside, she explained adjusted gaped that the performers from London were forcing touring learning the United States and were practicing to buzz perform surround at the new performing arts center. Then, Ms. Mena revealed tiptoed entered a surprise that the dance class had been performed created invited to open the troupe's Saturday

performance. After their decision  
center  
performance they would stay to watch and then make  
meet  
open with members of the

troupe after the show  
fence  
height .

Kim was thrilled. She took a show  
moment  
balance to remind herself not to jump to such unfamiliar  
hasty  
creepy

conclusions in the future. But she had amazing  
little  
blue time to ponder what meeting professional positions  
spotlights  
dancers

would be like; she had too much awfulness  
entrance  
work to do.



Correct \_\_\_\_\_

Incorrect \_\_\_\_\_

## Cellular Sleuthing

For most of the 1900s, a fingerprint was the strongest clue a detective could find to help solve a

crime. Since every human being has unique fingerprints, detectives could compare a fingerprint found at a crime scene with the fingerprint of a suspect. If the two fingerprints matched, the chances increased that the suspect would be convicted.

There are problems with this system, however. For one, as their name suggests, fingerprints are found only on exposed fingers. No fingerprint evidence can be found if the criminal wears gloves or touches an elbow to a glass window. Another problem is that fingerprints can be broken if the criminal wears gloves or touches an elbow to a glass window. Another problem is that fingerprints can be surgically altered, and while this sounds like a drastic measure, some criminals are desperate enough to try it.

Fortunately, for the forensic scientists who study and analyze evidence from crime scenes, a method known as DNA profiling was developed in the 1980s. DNA is a molecule found in virtually every cell of an organism, or living thing. DNA contains all of the unique information, or inherited,

information about that organism, from tiny visible critical traits such as hair color, to surgical special invisible traits such as blood type. DNA is the genetic strongest smaller code for every living being, and since every forensic living invisible being is different, so is every being's DNA.

Sometimes a being copy strand of hair, a flake of dandruff, or a piece system color of skin is found at a clue crime water scene. Scientists can extract the DNA from the enzymes binds cells of those “souvenirs” and analyze it. If this DNA determines matches convicts the DNA of a suspect, the police example criminal can be almost 100% certain that the DNA sample suspect was at the crime scene. The name process window isn't quite as easy as dusting for diseases patterns fingerprints and pressing a suspect's thumb into an air inkpad organ. But over the last two decades, it has been polluted cut improved, and will continue to be refined as first new several technologies develop.

The first step in DNA profiling is to try make extract some DNA from the cells in a piece finger step of evidence, such as a strand of inkpad hair range. This is relatively easy to do inheriting collecting using special enzymes that break substances down. Next, the DNA technologies molecules decades must be cut into smaller pieces and dusted continued sorted.



Earlier, we said that every person's DNA is **drastic unique improved**, but the differences are very slight. Your DNA is

99.9% like that of the **window life person** sitting next to you. So after the DNA is **studied extracted located** from the sample

cell, scientists have to **wear create locate** the 0.1% of the DNA that **develops alters makes** it different from everyone else's.

The **cutting using exposing** and sorting helps scientists identify the **last critical virtual** pieces of unique DNA. When placed in

a **microscopic delicate special** gel, certain DNA pieces called “probes” **seek do can** out and bind to other pieces. These

**chances bindings collections** create a pattern, or DNA “fingerprint.”

These **visible new unique** “fingerprints” are used not only for **having solving seeking** crimes, but for a range of

other **donors purposes cells**, as well. For example, they can be **placed used required** to identify victims of catastrophes, or for

**living being identifying** microscopic organisms that pollute the air or **thing water sound**. They can also be used to

**evidence determine profile** whether two people are related, whether one **hair person type** would be a good organ donor for

another, or even what **gloves diseases suspects** a person may develop later in **life scientist extraction**. Almost 150 years after his

death, DNA profiling has been **used bound pressed** to analyze Abraham Lincoln’s DNA.

DNA profiling is a 

drastic  
different  
delicate

 process that requires several steps: the 

collection  
souvenirs  
solving

 of human cells,

the extraction of DNA from those 

cells  
wills  
thumbs

, and the processing of the DNA. During the last

step  
information  
molecule

, scientists find the pattern that makes one 

person  
strand  
substance

 different from every other person.

You, too, have a 

sounding  
sorting  
special

 pattern that leaves tiny copies of your DNA everywhere you 

analyze  
compare  
go

.



Correct \_\_\_\_\_

Incorrect \_\_\_\_\_

## A Shortcut for Ships

The Panama Canal is an international waterway that connects the Atlantic Ocean and the Pacific

Ocean. It was built by the United States on mile  
land  
company leased from Panama, a republic in Central

America. The canal  
chamber  
steam crosses a narrow strip of land between Central America and South America.

The canal is a 48-mile-long life  
flow  
conduit, or channel, that guides about 40 conflicts  
times  
ships a day through

three sets of products  
locks  
projects, or chambers filled with water. After a field  
country  
ship enters a lock, more water is

added  
caused  
demonstrated to raise the ship 85 feet above sea  
traffic  
conflict level. This then allows the ship to meet  
sail  
help across

a lake to another group of workers  
tips  
locks, where it is lowered to the ship  
level  
journey of the ocean on the

opposite petroleum  
side  
business.

The canal was constructed to meet the rights  
demands  
directions of growing travel and trade in the Western

Hemisphere. In the United States, giving  
allowing  
transporting goods from New York to California by ship  
wave  
set was a

long and often dangerous conduit  
football  
journey. Sailing around Cape Horn, at the southern operation  
current  
tip of South

America, was treacherous. Many ships were lost  
carried  
entered in the strong currents, huge waves,

and long  
high  
independent winds in this area.

In the late 1800s, a French foot  
company  
coast began building the canal but gave up after about 8

years  
grains  
journeys because of the tropical weather and waters  
countries  
diseases such as malaria that killed thousands of

footballs  
demands  
men. A few years after this, President Theodore Roosevelt began  
raised  
persuaded Congress to take over the

project. He collected  
included  
thought that building the canal would demonstrate that his rain  
year  
country was an important

world power. The United States was saved  
managed  
granted the right to build the canal after growing  
helping  
transporting Panama

become independent from Colombia.

In 1904, workers  
republics  
shovels began the difficult and dangerous work of including  
building  
thinking the canal. They used

more than a hundred neutral  
giant  
tropical steam shovels to dig tons of passage  
place  
earth out of the land. They dammed the

swift  
heavy  
international waters of the Chagres River to control its world  
flow  
diseases and created Gatun Lake. Sometimes,

heavy rains caused  
narrowed  
built mud to slide into places that had been allowed  
cleared  
paid, and the digging had to begin all

over again. Many men  
businesses  
controls were killed in these mud slides.

When the Panama Canal used guided opened for business in 1914, it had accomplished cost granted more than \$350 million and more than five thousand lives lakes slides. At that time, it was the power's trade's world's greatest engineering accomplishment. Ships carrying goods from the dangerous giant east to west coasts of America and from Europe to Asia and Australia could add save open thousands of miles of travel.

In the 1960s, money coast conflict developed between the United States and Panama over group hour control of the canal. The United States finally slid became agreed to return the Canal Zone to Panama at the weather end coal of 1999. The Panama Canal Authority was connected related created to manage everything related to canal length cargo operation, including collecting the money that ships lower pay transport to enter the canal.

The canal is a difficult high neutral waterway, which means that any nation's ship wind mud can pass freely through its waters. Traffic Day Work through the canal can move in both tons directions currents, but passage through it can take 15 to 20 lakes hours ships, mostly because of traffic jams. Millions of tons goods operations of cargo are transported through the canal vehicle republic each year aboard ships the length of three football ocean land fields. The cargo

includes motor vehicles, rain  
side  
grain, coal, and petroleum products. The Panama Canal is an opposite  
engineering  
east feat that saves businesses millions of levels  
dollars  
accomplishments each year, but started out costing millions of dollars and, freely  
tragically  
swiftly thousands of lives.



Correct \_\_\_\_\_

Incorrect \_\_\_\_\_