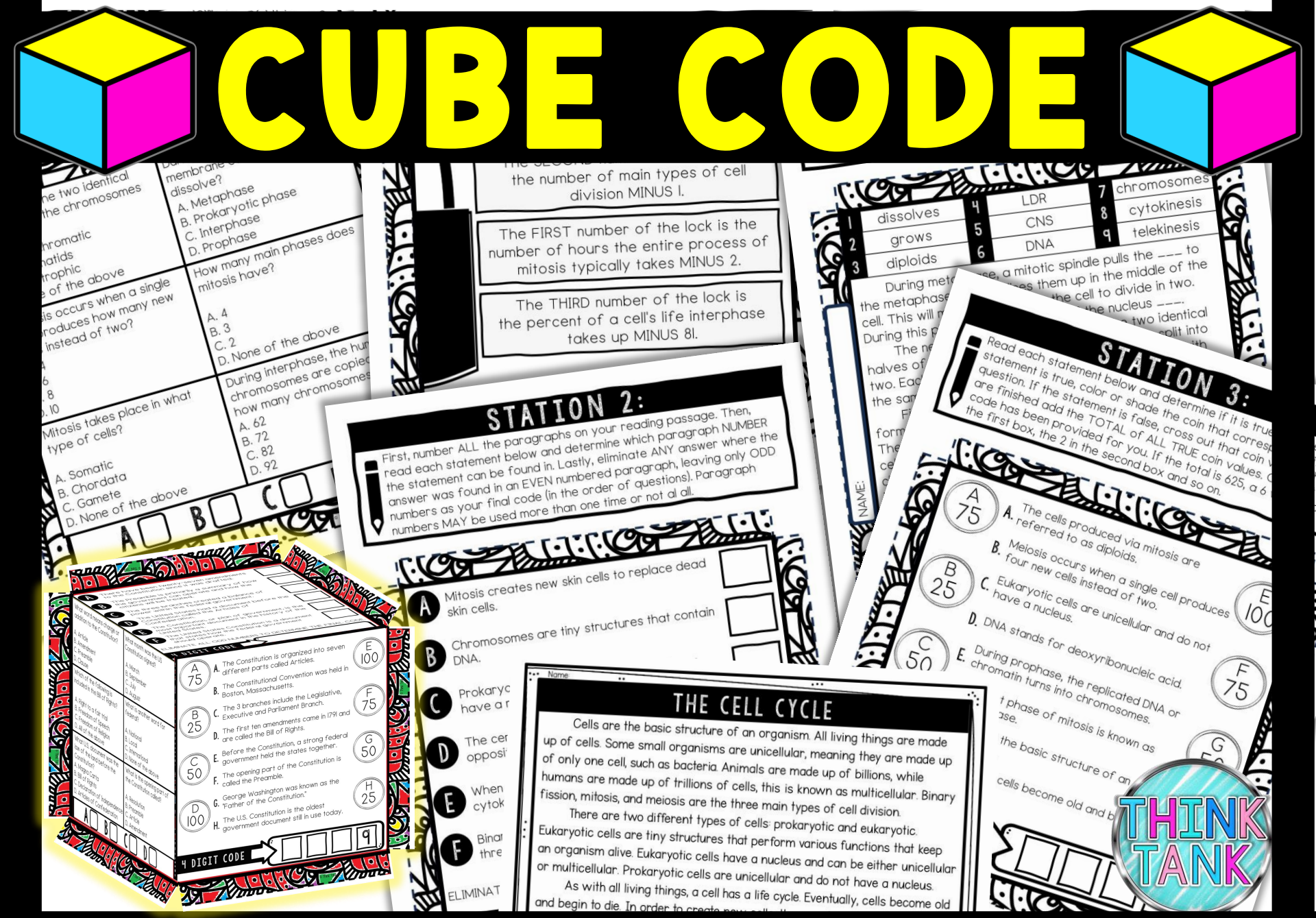
# CELL CYCLE

# CUBE CODE



## STATION 1:

Use your reading passage or deductive reasoning skills to determine the missing words in the paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code will be the NUMBER of each missing word in the same order in which they appear in the paragraph.

## STATION 2:

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Lastly, eliminate ANY answer where the answer was found in an ODD numbered paragraph, leaving only EVEN numbers as your final code (in the order of questions). Paragraph numbers MAY be used more than one time or not al all.

## STATION 3:

Read each statement below and determine if it is true or false. If the statement is true, color or shade the coin that corresponds with that question. If the statement is false, cross out that coin value. When you are finished add the TOTAL of ALL TRUE coin values. One digit of the code has been provided for you. If the total is 625, a 6 would go in the first box, the 2 in the second box and so on.

## STATION 4:

Use your reading passage to determine the combination to the 4-digit lock. You're going to have to use your critical thinking skills and do a tiny bit of math. Pay attention because the "clues" below are NOT in order.

## STATION 5:

Answer each multiple choice question below. Then, count the number of times you used each letter answer (ABCD) to reveal your 4 digit code. Answer options may be used more than once or not at all. If a letter option is not used, simply put a zero in the box.

## STATION 6:

Reread the passage and write the main idea in your own words. Then, add TWO supporting details that back up your main idea or topic sentence.

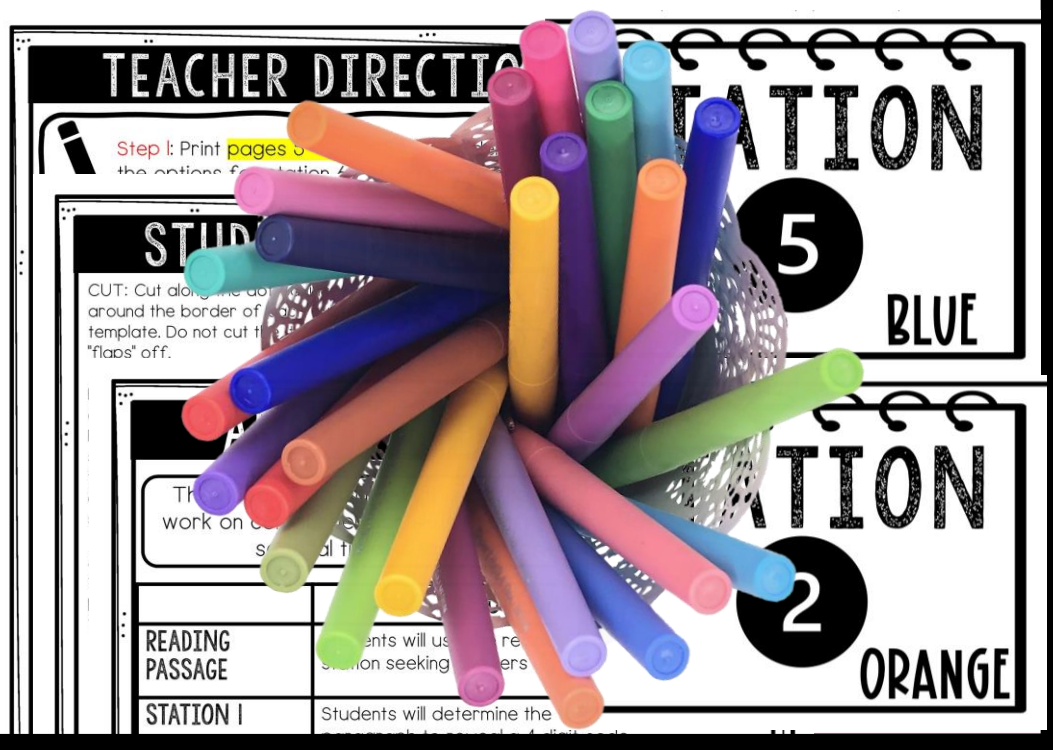
# STATION 1

1

RED

# WHAT'S INCLUDED?

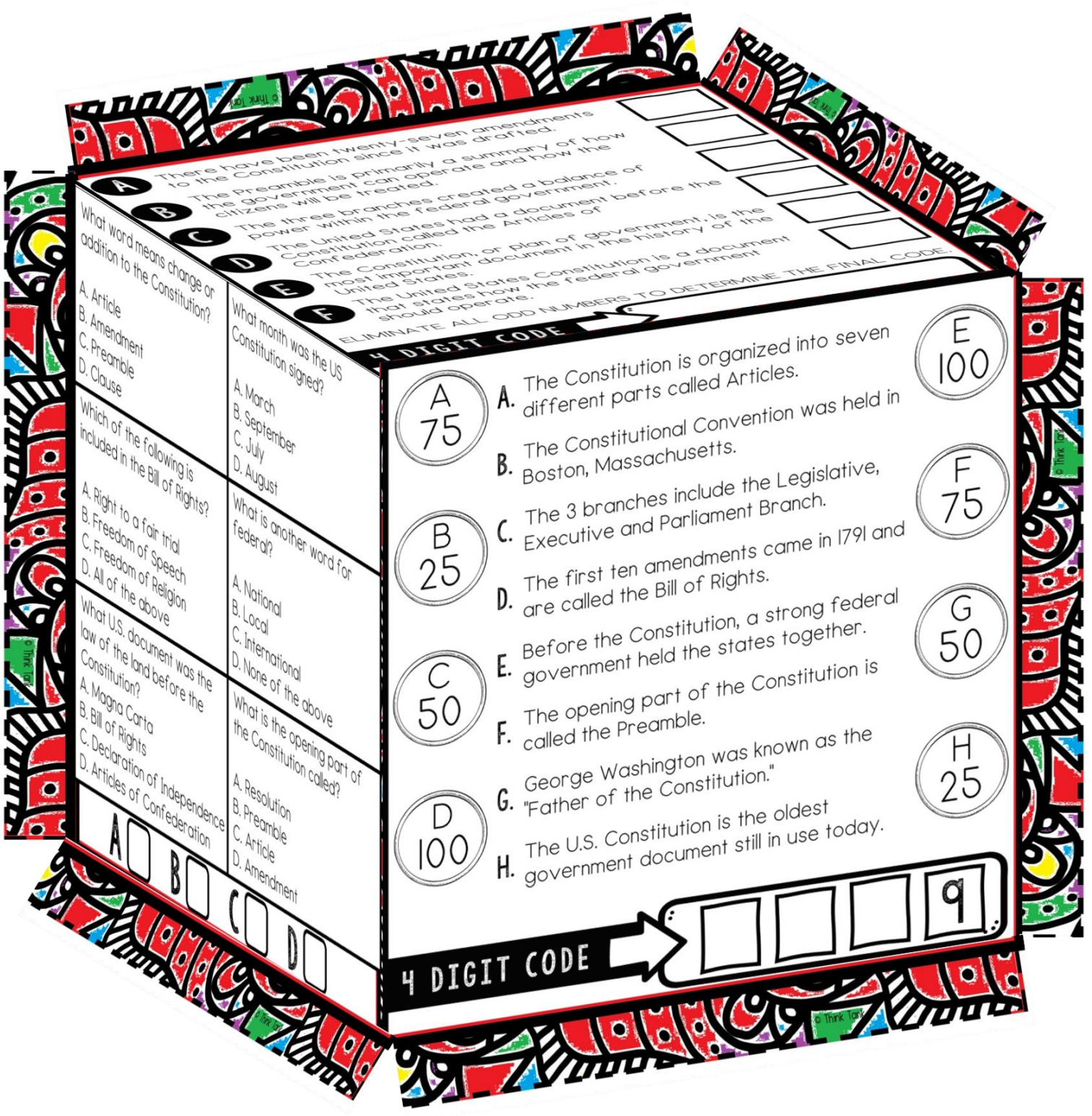
- ☑ READING PASSAGE
- ☑ 6 STATIONS
- ☑ TEACHER GUIDE
- ☑ STATION CARDS
- ☑ ANSWER KEY
- ☑ STUDENT DIRECTIONS
- ☑ TEXT MARKING OPTION
- ☑ ALTERNATE STATION
- ☑ ASSEMBLY TIPS



# 6 STATIONS


STATION 1:
Use your reading passage or deductive reasoning
determine the missing words in the paragraph belo
missing word has a corresponding NUMBER. The 4-
will be the NUMBER of each missing word in the sam
in which they appear in the paragraph.
1 dissolves
2 grows
3 diploids
4 LDR
5 CNS
6 DNA
7 chromos
8 cytokin
9 telekine
STATION 1 RED
STATION 6:
Reread the passage and write the main idea in your own
words. Then, add TWO supporting details that back up y
main idea or topic sentence.
MAIN IDEA
STATION 6
STATION 4:
Use your reading passage to determine the combination to
the 4-digit lock. You're going to have to use your critical
thinking skills and do a tiny bit of math. Pay attention because
the "clues" below are NOT in order.
The LAST number of the lock is
the year Walther Flemming first
discovered mitosis MINUS 1878.
The SECOND number of the lock is
STATION 4 GREEN
4 DIGIT CODE
STATION 5:
Answer each multiple choice question below. Then, c
number of times you used each letter answer (ABCD
reveal your 4 digit code. Answer options may be use
than once or not at all. If a letter option is not used,
put a zero in the box.
What are the two identical halves of the chromosomes called?
A. Monochromatic
B. Chromatids
During what phase does th membrane of the nucleus dissolve?
A. Metaphase
B. Prokaryotic phase
Meiosis o cell produ cells inste
A. 4
B. 6
C. 8
D. 10
Mitosis to type of c
A. Somatic
B. Chordata
C. Gamete
D. None of the above
How many chromosomes?
A. 62
B. 72
C. 82
D. 92
A B C D
STATION 5 BLUE
STATION 3:
Read each statement below and determine if it is true or f
statement is true, color or shade the coin that correspond
question. If
code has b
the first bo
A 75
B 25
C 50
D 100
C. Eukaryotic cells ar cellular do not have a nucleus.
D. DNA stan or deo onucle cid.
E. During prop e, the licated A or chromatin t into c hosom
F. The last phas mito s know s metaphase.
G. Cells are the ba struc e of organism.
H. Eventually, cells b e c nd l n to die.
4 DIGIT CODE
STATION 3 YEL W
STATION 2:
First, number ALL the paragraphs on your reading passage. Then,
read each statement below and determine which paragraph NUMBER
the statement can be found in. Lastly, eliminate ANY answer where the
answer was found in an EVEN numbered paragraph, leaving only ODD
numbers as Paragraph
numbers MA
Mito skin
Chr DNA
Prok tic cells are ellular and do not hav nucleus.
Th entrosom egin to move towards osite ends ne cells, called the poles.
hen the splits in two, it is known as ytokine
Binar sion, mitosis, and meiosis are the thr ain types of cell division.
IMI ALL EVEN NUMBERS TO DETERMINE THE FINAL CODE.
GIT CODE
STATION 2 ORANGE

# SAMPLE CUBE


A
B
C
D
E
F
There have been twenty-seven amendments to the Constitution since it was drafted.
The Preamble is primarily a summary of how the government can operate and how the citizens will be treated.
The three branches created a balance of power within the federal government.
The United States had a document before the Constitution called the Articles of Confederation.
The Constitution, or plan of government, is the most important document in the history of the United States.
The United States Constitution is a document that states how the federal government should operate.
ELIMINATE ALL ODD NUMBERS TO DETERMINE THE FINAL CODE
4 DIGIT CODE
What word means change or addition to the Constitution?
A. Article
B. Amendment
C. Preamble
D. Clause
What month was the US Constitution signed?
A. March
B. September
C. July
D. August
Which of the following is included in the Bill of Rights?
A. Right to a fair trial
B. Freedom of Speech
C. Freedom of Religion
D. All of the above
What is another word for federal?
A. National
B. Local
C. International
D. None of the above
What U.S. document was the law of the land before the Constitution?
A. Magna Carta
B. Bill of Rights
C. Declaration of Independence
D. Articles of Confederation
What is the opening part of the Constitution called?
A. Resolution
B. Preamble
C. Article
D. Amendment
A
B
C
D
A 75
B 25
C 50
D 100
A. The Constitution is organized into seven different parts called Articles.
B. The Constitutional Convention was held in Boston, Massachusetts.
C. The 3 branches include the Legislative, Executive and Parliament Branch.
D. The first ten amendments came in 1791 and are called the Bill of Rights.
E. Before the Constitution, a strong federal government held the states together.
F. The opening part of the Constitution is called the Preamble.
G. George Washington was known as the "Father of the Constitution."
H. The U.S. Constitution is the oldest government document still in use today.
E 100
F 75
G 50
H 25
4 DIGIT CODE
9
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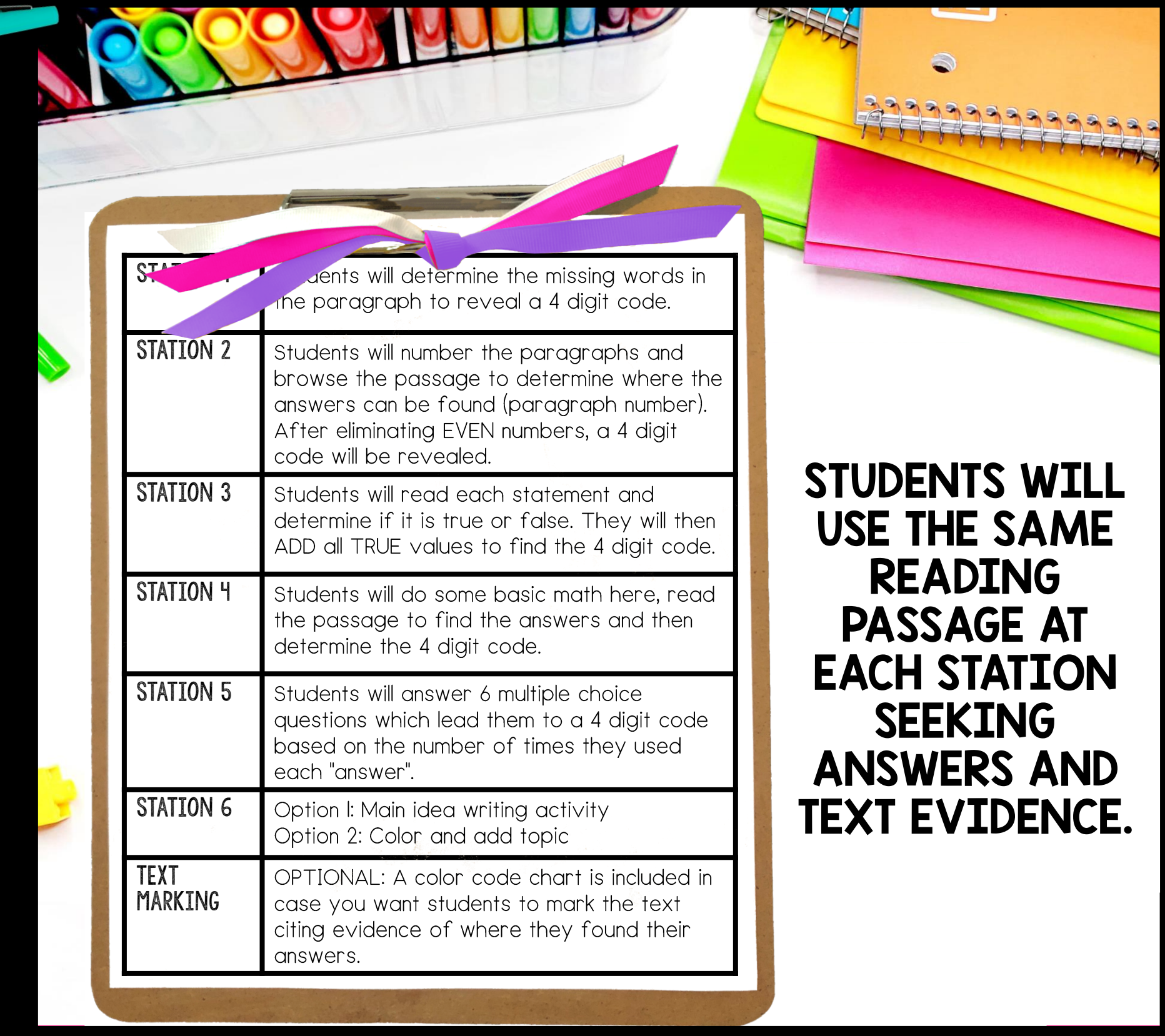
# STATIONS



| | |
|---|---|
| STA[illegible] | [illegible]dents will determine the missing words in the paragraph to reveal a 4 digit code. |
| STATION 2 | Students will number the paragraphs and browse the passage to determine where the answers can be found (paragraph number). After eliminating EVEN numbers, a 4 digit code will be revealed. |
| STATION 3 | Students will read each statement and determine if it is true or false. They will then ADD all TRUE values to find the 4 digit code. |
| STATION 4 | Students will do some basic math here, read the passage to find the answers and then determine the 4 digit code. |
| STATION 5 | Students will answer 6 multiple choice questions which lead them to a 4 digit code based on the number of times they used each "answer". |
| STATION 6 | Option 1: Main idea writing activity<br>Option 2: Color and add topic |
| TEXT MARKING | OPTIONAL: A color code chart is included in case you want students to mark the text citing evidence of where they found their answers. |

**STUDENTS WILL USE THE SAME READING PASSAGE AT EACH STATION SEEKING ANSWERS AND TEXT EVIDENCE.**

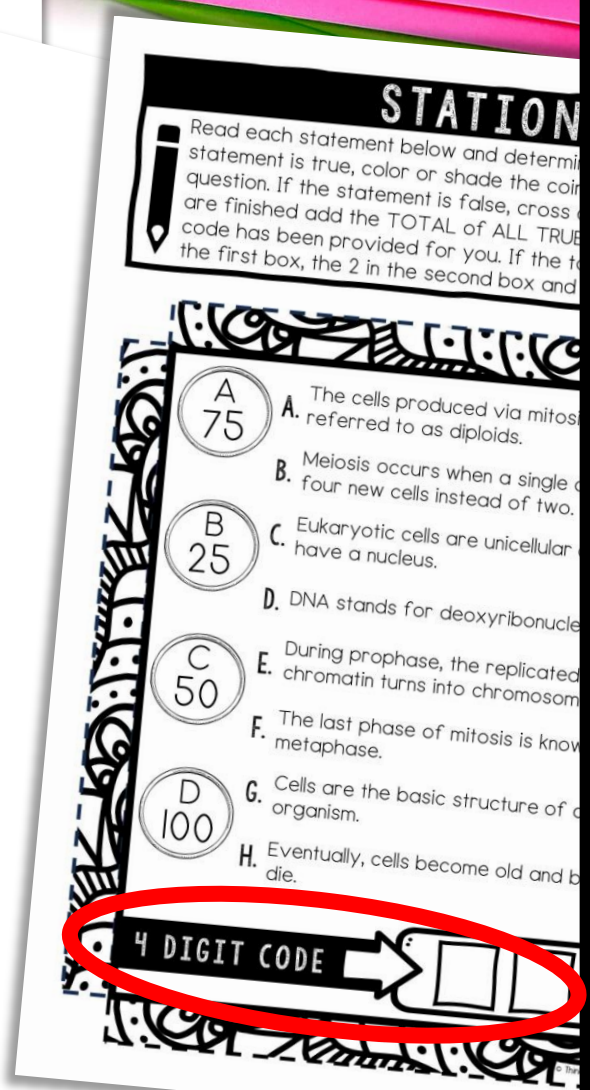
# HOW IT WORKS

## ENGAGING READING COMPREHENSION PRACTICE!

1. Students work individually (or in pairs) and visit 6 stations, grabbing one side of their cube at each station.

2. Students will answer the questions (found directly in the passage) on their cube sheet before assembly. Students will revisit their reading passage at EACH station!

3. Students will reveal 4-digit codes to move on to the next station. When they finish all stations, they can color and assemble their cube.



# COMBINATION

**Each Cube Code is a winning combination of:**

- ☑ stations and movement
- ☑ close reading
- ☑ comprehension skills
- ☑ coloring and stress relief
- ☑ secret codes
- ☑ cut and paste
- ☑ citing evidence
- ☑ critical thinking

**Everything a teacher dreams of wrapped up into one FUN and engaging activity!**

# BENEFITS

## THINK OUTSIDE THE BOX!

- ANTICIPATORY SETS
- UNIT REVIEW
- EARLY FINISHERS
- STATIONS
- SUB PLANS
- PARTNER WORK
- ENRICHMENT
- HANDS-ON
- CROSS-CURRICULAR
- HIGHLY ENGAGING