

SKELETAL SYSTEM

ESCAPE ROOM

SKELETAL SYSTEM
Provides the framework of the human body. This system has several functions: mineral storage, endocrine regulation, production of blood cells, and movement. The skeletal system consists of bones, cartilage, and ligaments. The study of the human skeletal system is called osteology. There are roughly 300 bones. By the time they become an adult, we have either 206 adult bones. The human skeleton is made of two parts: the axial skeleton and the appendicular skeleton. The axial skeleton forms the central axis of the body and includes the skull, spine, and ribcage. The appendicular skeleton includes the arms and legs. Tendons attach bones to muscles so we can move. Every bone in the skeletal system is connected to another bone in the skeletal system.

LEVEL 1 DECODER

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

L=2	J=q	F=1
R=0	W=4	A=6
T=8	G=3	Z=5
Q=7	D=q	P=0
H=1	Y=8	B=3
N=4	C=6	K=1

LEVEL 2 DECODER

Find the value of each letter

A	=	10
B	=	8

LEVEL 1: QUESTION 2
--- are where bones meet and connect.

<input type="checkbox"/>	Knuckles
<input type="checkbox"/>	Fulcrums
<input type="checkbox"/>	Cuticles
<input type="checkbox"/>	Joints

LEVEL 1: QUESTION 4
What attaches bones to other bones?

Marrow

RECORDING SHEET

LEVEL 1	Q1	Q2	Q3	Q4
LEVEL 2	Q1	Q2	Q3	Q4

THINK TANK

WHAT'S INCLUDED?

SKELETAL SYSTEM

The skeletal system provides the framework of the human body. This system has six main functions including: mineral storage, endocrine regulation, production of blood cells, protection, support, and movement. The skeletal system consists of bones, connective tissue, tendons, and ligaments. The study of the human skeletal system is called orthopedics.

A newborn baby has roughly 300 bones. By the time they become an adult, some

LEVEL 1: QUESTION 1 **LEVEL 1: QUESTION 2**

LEVEL 2: QUESTION 1 **LEVEL 2: QUESTION 2**

LEVEL 3: QUESTION 1 **LEVEL 3: QUESTION 2**




LEVEL 4: QUESTION 1 **LEVEL 4: QUESTION 2**




LEVEL 1 DECODER




A	B	C	J	K	L	L=2	J=9	F=1
D	E	F	M	N	O	R=0	W=4	A=6




LEVEL 2 DECODER

FIND THE VALUE OF EACH LETTER

A =   

B =   

C =   

D =   





LEVEL 3 DECODER

1 2 3

ABC DEF

LEVEL 4 DECODER

A B C D 8 0

Q     4 3

RECORDING SHEET

LEVEL 1


Q1	Q2	Q3	Q4
#	#	#	#

LEVEL 2

Q1	Q2	Q3	Q4
#	#	#	#







HOW TO DECODE






A	B	C	J	K	L	L=2	J=9	F=1
D	E	F	M	N	O	R=0	W=4	A=6
G	H	I	P	Q	R	T=8	G=3	Z=5
S	U	V	X	Y	Z	Q=7	D=9	P=0
T	U	V	X	Y	Z	H=1	Y=8	B=3






Find the SHAPE that relates to your answer and determine the letter it represents. Example: L would be the letter L and  would be the letter D. Next, use the chart to determine what NUMBER the letter represents. D=9 and L=2.

This one can be tricky! First answer the FOUR questions for that level. Then, using the 'math' problems, determine what each correct letter holds as a value (number). Be sure to enter the answers in the SAME ORDER as you answer the questions. Ex: D=9, W=4, H=1, Y=8, B=3

LEVEL 2 DECODER

 +  =  A =   

 +  = 8 B =   

 +  = 2 C =   

- ✓ READING PASSAGE
- ✓ 4 PUZZLE DECODERS
- ✓ 16 MULTIPLE CHOICE Q'S
- ✓ TEACHER GUIDE
- ✓ ANSWER KEY
- ✓ STUDENT DIRECTIONS
- ✓ HINT CARDS



16 QUESTIONS

LEVEL 1: QUESTION 1
What is the study of the human skeletal system called?

J Cyclopedic	A Oncologists
F Orthopedics	G Neurologists

LEVEL 1: QUESTION 2
_____ are where _____ meet and connect.

< Cuticles >	> Joints <
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LEVEL 2: QUESTION 1
What is the shin bone known as?

A Tibia	B Clavicle
C Scapula	D Tendon

LEVEL 1: QUESTION 3
More than half of the bones in the human skeleton are _____ and _____.

LEVEL 1 DECODER

B	C	J	K	L
E	F	M	N	O
H	I	P	Q	R
U		X	W	Y
		Z		

L=2 J=q
R=0 W=4
T=8 G=3
Q=7 D=q
H=1 Y=8
N=4 C=6

RECORDING SHEET

LEVEL 1	Q1	Q2	Q3	Q4
#	#	#	○	#

LEVEL 4: QUESTION 1
What attaches bones to muscles?

A Tendons	B Marrow
C Fulcrums	D Schooners

LEVEL 4: QUESTION 2
When the _____

A	
C	

LEVEL 3 DECODER

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ

LEVEL 3: QUESTION 1
How many pairs of ribs do most adults have?

A 15	T 12
H 9	L 6

LEVEL 3: QUESTION 2
What are the two types of bone marrow?

E Blue and red	M Red and yellow
Y Red and green	B Yellow and black

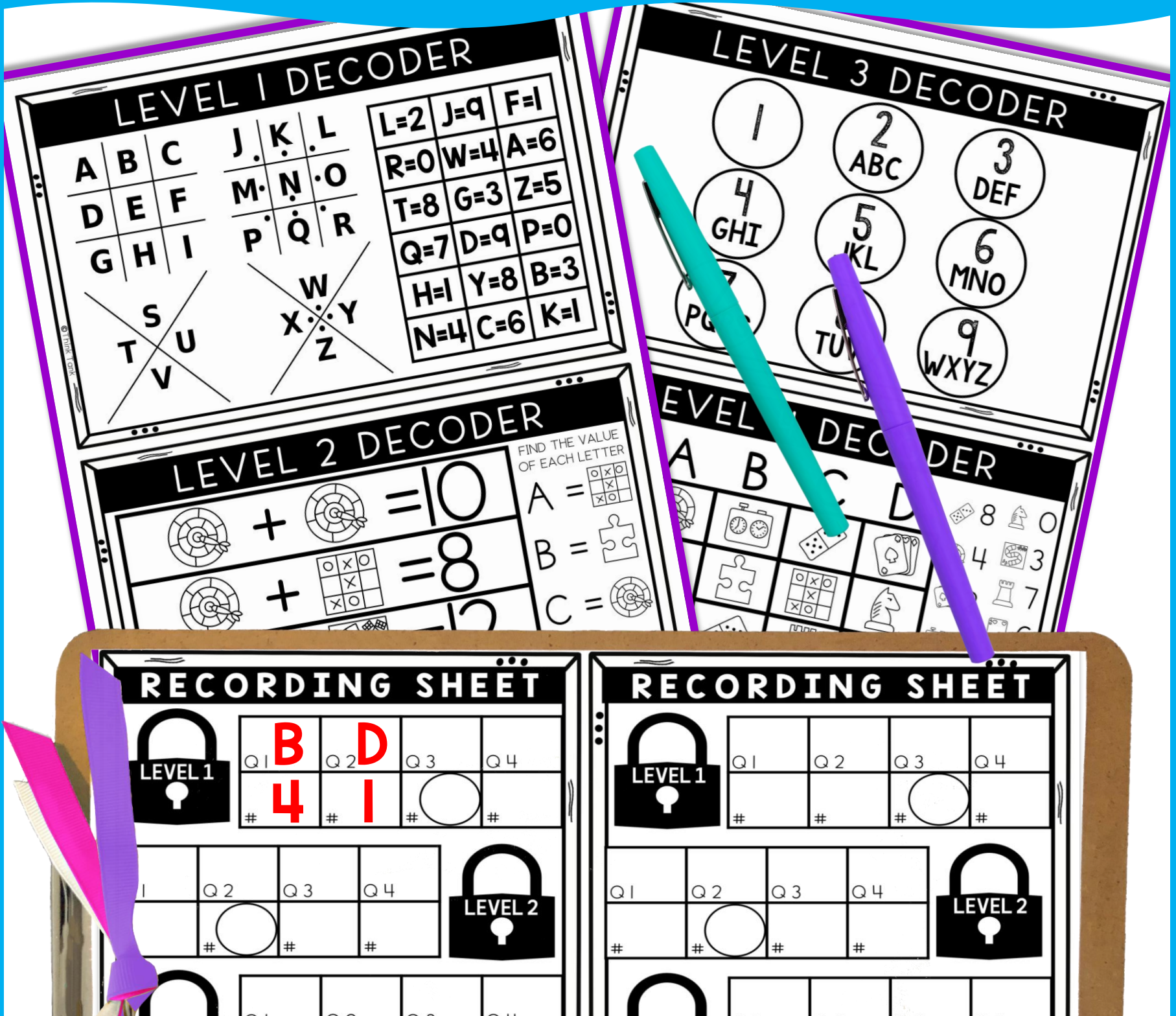
LEVEL 3: QUESTION 3
How many bones does an adult human typically have?

I 246	J
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LEVEL 4 DECODER

A	B	C	D	8	9	0
Q1						
Q2						
Q3						

PUZZLE TYPES



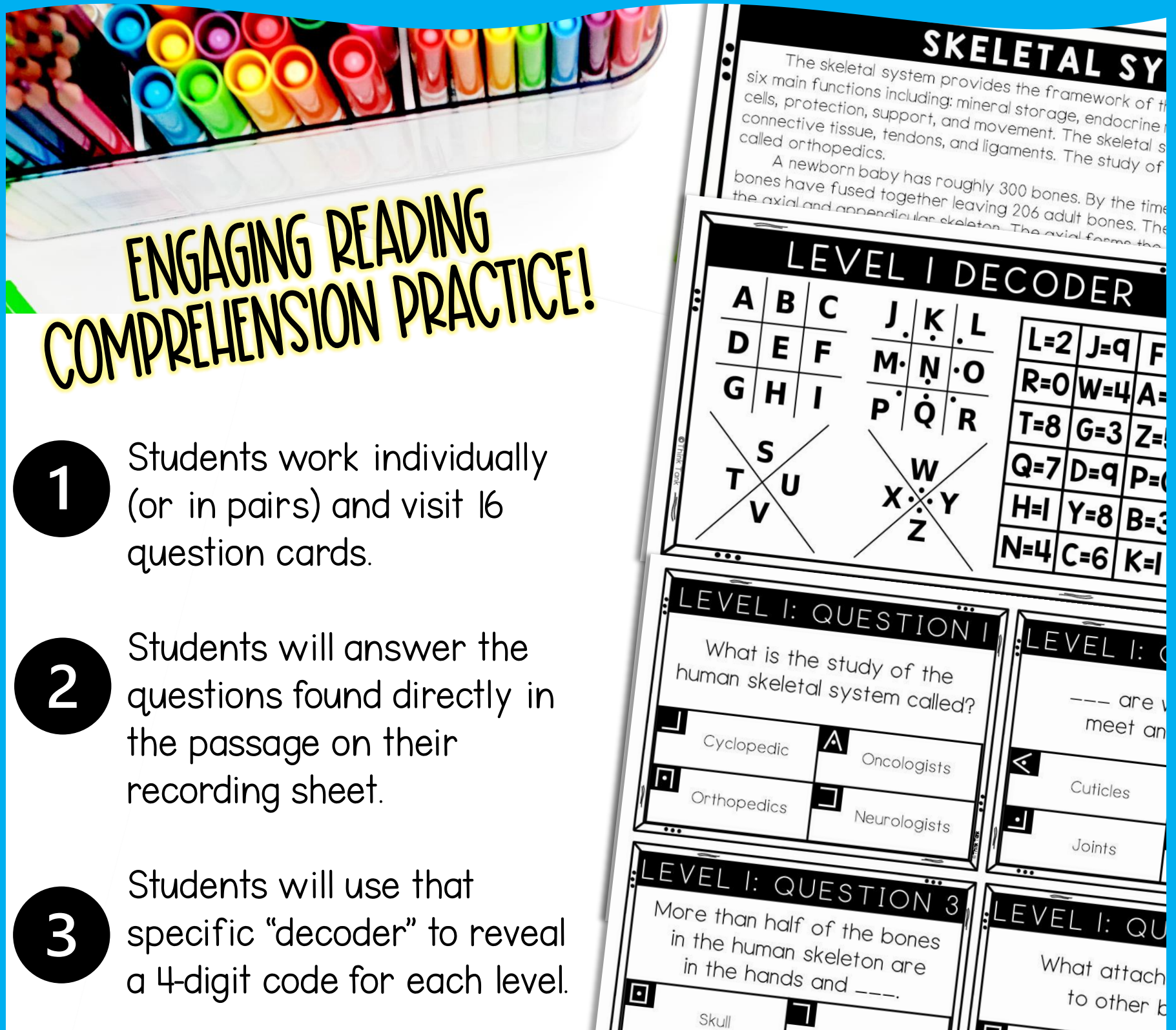
PRINT, CUT, PLAY



HOW IT WORKS

ENGAGING READING COMPREHENSION PRACTICE!






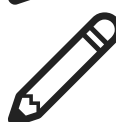
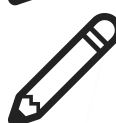
- 1 Students work individually (or in pairs) and visit 16 question cards.
- 2 Students will answer the questions found directly in the passage on their recording sheet.
- 3 Students will use that specific “decoder” to reveal a 4-digit code for each level.

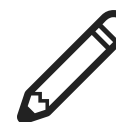





BENEFITS



THINK OUTSIDE THE BOX!

-  ANTICIPATORY SETS
-  UNIT REVIEW
-  EARLY FINISHERS
-  STATIONS
-  SUB PLANS
-  PARTNER WORK
-  ENRICHMENT

-  LOW PREP
-  PRINT, CUT & PLAY
-  CROSS-CURRICULAR
-  HIGHLY ENGAGING

