



CLASSROOM WORKBOOK



Summer Brain Refresh: Entering Grades 3-4

Complete your Brain Reboot mission before the first day of school!

September 1, 2026

9 Activities

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STUDENT INFORMATION

NAME

DATE

CLASS



TOP SECRET — FOR AGENT EYES ONLY

Agent _____ (write your code name),

Your brain has been on summer vacation for weeks. Ice cream. Cartoons. Sleeping in. Excellent work — every agent needs rest.

But school starts now, and Headquarters needs your brain back ONLINE.

This folder contains your reactivation mission. Complete each SYSTEM CHECK to power your brain systems back up. When every box is checked, report to your teacher for full agent status.

Good luck, Agent. Sharky is counting on you. 

— Director Sharky, Shark Learning Headquarters

Warm-up (all agents):

Write today's date: _____

Write one thing you did this summer: _____

Write one thing you want to learn this year: _____



Did You Know? Your brain uses about 20% of your body's energy — even though it's only about 2% of your body's weight.



Solve each problem. Show your work in the space provided.

1. $47 + 36 = \underline{\hspace{2cm}}$ (column addition)

Answer:

2. $82 - 45 = \underline{\hspace{2cm}}$ (with borrowing)

Answer:

3. Skip count by 5s: 35, 40, , , 55

Answer:

4. $6 \times 5 = \underline{\hspace{2cm}}$ and $5 \times 6 = \underline{\hspace{2cm}}$. What do you notice?

Answer:

5. School starts at 8:30. Recess is 2 hours later. What time is recess?

Answer:

6. Maya has 3 packs of 10 pencils and 4 loose pencils. How many pencils in all?

Answer:

7. Which is greater: 308 or 380? How do you know? _____

Answer: _____

8. $24 \div 4 = \underline{\quad}$ (think: $4 \times ? = 24$)

Answer:



Sharky's Joke! Why did the student eat his homework? Because the teacher said it was a piece of cake.

Reading Reboot: Your Brain Never Really Stopped

Summer Brain Refresh: Entering Grades 3–4

Here is a secret about summer vacation: your brain never actually turned off.

Scientists who study the brain say that learning works like a path in a forest. When you practice something — multiplication, reading, spelling — you walk the path again and again, and it gets wide and easy to follow. Over the summer, when you stop practicing, the path gets a little overgrown. Grass grows back. Branches lean in.

But here is the important part: the path is still there.

That is why the first week of school can feel strange. You reach for a math fact and it takes a second longer than it did in June. Your handwriting looks a little wobbly. That is not forgetting — that is an overgrown path. Every problem you solve this week is like walking the path again and stomping the grass back down. Most students find that within two or three weeks, everything feels fast and easy again.

So if a question in this workbook feels harder than it should, don't worry. You are not starting over. You are just clearing the path. It goes faster the second time.



Did You Know? An octopus has nine brains — one central brain and one in each arm.



? Reading Questions

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Answer each question using complete sentences.

1. What does the passage compare learning to?

2. What happens to the "path" over summer? What does NOT happen to it?

3. Why might a math fact take longer to remember in September than in June?

4. Think About It: What is one "path" you want to make wider this year?



Sharky's Joke! What did the pencil say to the paper on the first day of school? "I dot my eyes on you."



Mission Report

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Write a paragraph (5-7 sentences) that answers: What was the best part of your summer, and what is one goal you have for this school year? Use the word "because" at least once.

Find and circle all the hidden words in the grid.

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

FIND THESE WORDS

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BACKPACK LUNCHBOX LEARN



Solve each problem. Show your work in the space provided.

1. $27 - 8 = \underline{\hspace{2cm}}$

Answer:

2. $4 + 4 = \underline{\hspace{2cm}}$

Answer:

3. $9 - 8 = \underline{\hspace{2cm}}$

Answer:

4. $3 \times 6 = \underline{\hspace{2cm}}$

Answer:

5. $22 \div 2 = \underline{\hspace{2cm}}$

Answer:

6. $38 - 19 = \underline{\hspace{2cm}}$



Did You Know? Once you've solved all 6, use A=1, B=2, C=3... Z=26 to turn each answer into a letter. The 6 letters spell a secret word!



Match Math Terms

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Match each item on the left with the correct item on the right. Write the matching letter in the blank.

1. _____ SUM
2. _____ DIFFERENCE
3. _____ PRODUCT
4. _____ QUOTIENT
5. _____ EVEN NUMBER

- A. The answer to a multiplication problem
- B. The answer to an addition problem
- C. The answer to a division problem
- D. The answer to a subtraction problem
- E. A number you can divide evenly by 2



Unscramble the School Words

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Unscramble each word. Write the correct spelling on the line.

1. YRCAON

2. RULRE

3. SEARRE

4. BELOG

5. KRAMER



Check Your Answers Online!

Scan the QR code or visit the link below to check your answers and find more fun activities on Shark Learning.



sharklearning.com/workbook/2026-09-01-summer-brain-refresh-entering-3-4

or scan the QR code above

 Keep practising — great things take time! ★