

GEOGRAPHY MATH

3RD
Grade



COASTLINES



MOUNTAINS



RIVERS

We climbed to the top of the highest point in Alaska, Mt. McKinley. How many feet did we climb, up and down?



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Answer Sheets

** Has an Answer Sheet*

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Shorelines of the U.S.



| State | General Coastline (miles) | Tidal Shoreline (miles) |
|-----------------------------|---------------------------|-------------------------|
| Atlantic Coast: | | |
| Maine | 228 | 3,478 |
| New Hampshire | 13 | 131 |
| Massachusetts | 192 | 1,519 |
| Rhode Island | 40 | 384 |
| Connecticut | — | 618 |
| New York | 127 | 1,850 |
| New Jersey | 130 | 1,792 |
| Pennsylvania | — | 89 |
| Delaware | 28 | 381 |
| Maryland | 31 | 3,190 |
| Virginia | 112 | 3,315 |
| North Carolina | 301 | 3,375 |
| South Carolina | 187 | 2,876 |
| Georgia | 100 | 2,344 |
| Florida (Atlantic) | 580 | 3,331 |
| Total Atlantic Coast | 2,069 | 28,673 |

| State | General Coastline (miles) | Tidal Shoreline (miles) |
|-------------------------|---------------------------|-------------------------|
| Gulf Coast: | | |
| Florida (Gulf) | 770 | 5,095 |
| Alabama | 53 | 607 |
| Mississippi | 44 | 359 |
| Louisiana | 397 | 7,721 |
| Texas | 367 | 3,359 |
| Total Gulf Coast | 1,631 | 17,141 |

| | | |
|----------------------------|--------------|---------------|
| Pacific Coast: | | |
| California | 840 | 3,427 |
| Oregon | 296 | 1,410 |
| Washington | 157 | 3,026 |
| Hawaii | 750 | 1,052 |
| Alaska (Pacific) | 5,580 | 31,383 |
| Total Pacific Coast | 7,623 | 40,298 |

| | | |
|---------------------------|--------------|--------------|
| Arctic Coast: | | |
| Alaska (Arctic) | 1,060 | 2,521 |
| Total Arctic Coast | 1,060 | 2,521 |

| | | |
|--------------------|---------------|---------------|
| COAST TOTAL | 12,383 | 88,633 |
|--------------------|---------------|---------------|

Mountains of the U.S.



| Name | State | Ht. | Name | State | Ht. | Name | State | Ht. |
|------------------|-------|--------|-----------------|-------|--------|-----------------------|-------|--------|
| Mt. McKinley | AK | 20,320 | Castle Peak | CO | 14,265 | Windom Peak | CO | 14,082 |
| Mt. St. Elias | AK | 18,008 | Quandary Peak | CO | 14,265 | Mt. Columbia | CO | 14,073 |
| Mt. Foraker | AK | 17,400 | Mt. Evans | CO | 14,264 | Mt. Augusta | AK | 14,070 |
| Mt. Bona | AK | 16,500 | Longs Peak | CO | 14,255 | Missouri Mtn. | CO | 14,067 |
| Mt. Blackburn | AK | 16,390 | Mt. Wilson | CO | 14,246 | Humboldt Peak | CO | 14,064 |
| Mt. Sanford | AK | 16,237 | White Mtn. | CA | 14,246 | Mt. Bierstadt | CO | 14,060 |
| Mt. Vancouver | AK | 15,979 | North Palisade | CA | 14,242 | Sunlight Peak | CO | 14,059 |
| South Buttress | AK | 15,885 | Mt. Cameron | CO | 14,238 | Split Mtn. | CA | 14,058 |
| Mt. Churchill | AK | 15,638 | Mt. Shavano | CO | 14,229 | Handies Peak | CO | 14,048 |
| Mt. Fairweather | AK | 15,300 | Crestone Needle | CO | 14,197 | Culebra Peak | CO | 14,047 |
| Mt. Hubbard | AK | 14,950 | Mt. Belford | CO | 14,197 | Mt. Lindsey | CO | 14,042 |
| Mt. Bear | AK | 14,831 | Mt. Princeton | CO | 14,197 | Ellingwood Point | CO | 14,042 |
| East Buttress | AK | 14,730 | Mt. Yale | CO | 14,196 | Middle Palisade | CA | 14,040 |
| Mt. Hunter | AK | 14,573 | Mt. Bross | CO | 14,172 | Little Bear Peak | CO | 14,037 |
| Browne Tower | AK | 14,530 | Kit Carson Mtn. | CO | 14,165 | Mt. Sherman | CO | 14,036 |
| Mt. Alverstone | AK | 14,500 | Mt. Wrangell | AK | 14,163 | Redcloud Peak | CO | 14,034 |
| Mt. Whitney | CA | 14,494 | Mt. Sill | CA | 14,162 | Mt. Langley | CA | 14,027 |
| University Peak | AK | 14,470 | Mt. Shasta | CA | 14,162 | Conundrum Peak | CO | 14,022 |
| Mt. Elbert | CO | 14,440 | El Diente Peak | CO | 14,159 | Mt. Tyndall | CA | 14,019 |
| Mt. Massive | CO | 14,421 | Point Success | WA | 14,158 | Pyramid Peak | CO | 14,018 |
| Mt. Harvard | CO | 14,420 | Maroon Peak | CO | 14,156 | Wilson Peak | CO | 14,017 |
| Mt. Rainier | WA | 14,410 | Tabeguache Mtn. | CO | 14,155 | Wetterhorn Peak | CO | 14,015 |
| Mt. Williamson | CA | 14,370 | Mt. Oxford | CO | 14,153 | North Maroon Peak | CO | 14,014 |
| La Plata Peak | CO | 14,361 | Mt. Sneffels | CO | 14,150 | San Luis Peak | CO | 14,014 |
| Blanca Peak | CO | 14,345 | Mt. Democrat | CO | 14,148 | Middle Palisade | CA | 14,012 |
| Uncompahgre Peak | CO | 14,309 | Capitol Peak | CO | 14,130 | Mt. Muir | CA | 14,012 |
| Crestone Peak | CO | 14,294 | Liberty Cap | WA | 14,112 | Mt. of the Holy Cross | CO | 14,005 |
| Mt. Lincoln | CO | 14,286 | Pikes Peak | CO | 14,110 | Huron Peak | CO | 14,003 |
| Grays Peak | CO | 14,270 | Snowmass Mtn. | CO | 14,092 | Thunderbolt Peak | CA | 14,003 |
| Mt. Antero | CO | 14,269 | Mt. Russell | CA | 14,088 | Sunshine Peak | CO | 14,001 |
| Torrey's Peak | CO | 14,267 | Mt. Eolus | CO | 14,083 | | | |

Rivers of the U.S.



| River | Length |
|-------------------------------|----------|
| Alabama-Coosa | 600 mi |
| Altamaha-Ocmulgee | 392 mi |
| Apalachicola-Chattahoochee | 524 mi |
| Arkansas | 1,459 mi |
| Brazos | 923 mi |
| Canadian | 906 mi |
| Cimarron | 600 mi |
| Colorado | 1,450 mi |
| Colorado | 862 mi |
| Columbia | 1,243 mi |
| Colville | 350 mi |
| Connecticut | 407 mi |
| Cumberland | 720 mi |
| Delaware | 390 mi |
| Gila | 649 mi |
| Green | 360 mi |
| Green | 730 mi |
| Illinois | 420 mi |
| James/Dakota | 710 mi |
| Kanawha-New | 352 mi |
| Kansas | 743 mi |
| Koyukuk | 470 mi |
| Kuskokwim | 724 mi |
| Licking | 350 mi |
| Little Missouri | 560 mi |
| Milk | 625 mi |
| Mississippi | 2,348 mi |
| Mississippi-Missouri-Red Rock | 3,710 mi |

| River | Length |
|-------------------------|----------|
| Missouri | 2,315 mi |
| Missouri-Red Rock | 2,540 mi |
| Mobile-Alabama-Coosa | 645 mi |
| Neosho | 460 mi |
| Niobrara | 431 mi |
| Noatak | 350 mi |
| North Canadian | 800 mi |
| North Platte | 618 mi |
| Ohio | 981 mi |
| Ohio-Allegheny | 1,306 mi |
| Osage | 500 mi |
| Ouachita | 605 mi |
| Pearl | 411 mi |
| Pecos | 926 mi |
| Pee Dee-Yadkin | 435 mi |
| Pend Oreille-Clark Fork | 531 mi |
| Platte | 990 mi |
| Porcupine | 569 mi |
| Potomac | 383 mi |
| Powder | 375 mi |
| Red | 1,290 mi |
| Red River of the North | 545 mi |
| Republican | 445 mi |
| Rio Grande | 1,900 mi |
| Roanoke | 380 mi |
| Sabine | 380 mi |
| Sacramento | 377 mi |
| Saint Francis | 425 mi |

| River | Length |
|------------------------|----------|
| Salmon | 420 mi |
| San Joaquin | 350 mi |
| San Juan | 360 mi |
| Santee-Wateree-Catawba | 538 mi |
| Smoky Hill | 540 mi |
| Snake | 1,038 mi |
| South Platte | 424 mi |
| Stikine | 379 mi |
| Susquehanna | 444 mi |
| Tanana | 659 mi |
| Tennessee | 652 mi |
| Tennessee-French Broad | 886 mi |
| Tombigbee | 525 mi |
| Trinity | 360 mi |
| Wabash | 512 mi |
| Washita | 500 mi |
| White | 722 mi |
| Wisconsin | 430 mi |
| Yellowstone | 692 mi |
| Yukon | 1,979 mi |

Elevations of the U.S.

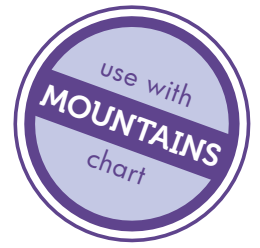


| State | Highest point | Elev (ft.) |
|---------------|--------------------|------------|
| Alabama | Cheaha Mountain | 2,405 |
| Alaska | Mt. McKinley | 20,320 |
| Arizona | Humphreys Peak | 12,633 |
| Arkansas | Mount Magazine | 2,753 |
| California | Mt. Whitney | 14,494 |
| Colorado | Mt. Elbert | 14,440 |
| Connecticut | Mt. Frissell | 2,380 |
| Delaware | Ebright Road | 448 |
| D.C. | Tenleytown | 410 |
| Florida | Britton Hill | 345 |
| Georgia | Brasstown | 4,784 |
| Hawaii | Puu Wekiu | 13,796 |
| Idaho | Borah Peak | 12,662 |
| Illinois | Charles Mound | 1,235 |
| Indiana | Hoosier Hill | 1,257 |
| Iowa | Hawkeye Point | 1,670 |
| Kansas | Mt. Sunflower | 4,039 |
| Kentucky | Black Mountain | 4,145 |
| Louisiana | Driskill Mountain | 535 |
| Maine | Mt. Katahdin | 5,267 |
| Maryland | Backbone Mountain | 3,360 |
| Massachusetts | Mt. Greylock | 3,491 |
| Michigan | Mt. Arvon | 1,979 |
| Minnesota | Eagle Mountain | 2,301 |
| Mississippi | Woodall Mountain | 806 |
| Missouri | Taum Sauk Mountain | 1,772 |
| Montana | Granite Peak | 12,799 |

| State | Highest point | Elev (ft.) |
|----------------------|--------------------------|---------------|
| Nebraska | Panorama Point | 5,424 |
| Nevada | Boundary Peak | 13,140 |
| New Hampshire | Mt. Washington | 6,288 |
| New Jersey | High Point | 1,803 |
| New Mexico | Wheeler Peak | 13,167 |
| New York | Mt. Marcy | 5,344 |
| North Carolina | Mt. Mitchell | 6,684 |
| North Dakota | White Butte | 3,506 |
| Ohio | Campbell Hill | 1,549 |
| Oklahoma | Black Mesa | 4,973 |
| Oregon | Mt. Hood | 11,239 |
| Pennsylvania | Mt. Davis | 3,213 |
| Rhode Island | Jerimoth Hill | 812 |
| South Carolina | Sassafras Mountain | 3,560 |
| South Dakota | Harney Peak | 7,242 |
| Tennessee | Clingmans Dome | 6,643 |
| Texas | Guadalupe Peak | 8,751 |
| Utah | Kings Peak | 13,528 |
| Vermont | Mt. Mansfield | 4,393 |
| Virginia | Mt. Rogers | 5,729 |
| Washington | Mt. Rainier | 14,410 |
| West Virginia | Spruce Knob | 4,863 |
| Wisconsin | Timms Hill | 1,951 |
| Wyoming | Gannett Peak | 13,804 |
| United States | Mt. McKinley (AK) | 20,320 |



Reading Charts Practice I



Use the data found on the page "Mountains of the U.S."
and answer the questions below.

1

What is the name of the second highest mountain in California?

2

What is the name of the highest mountain in Alaska?

3

What is the name of the highest mountain in Colorado?

4

What is the name of the highest mountain in Washington?

5

In what state is the highest mountain in the United States that is not located in Alaska?

6

What is the name of the fifth highest mountain in Alaska?

7

What is the name of the third highest mountain in California?

8

What is the name of the tenth highest mountain in Colorado?

9

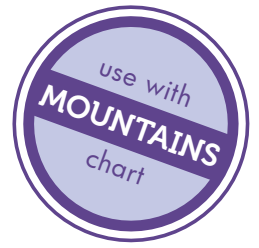
What is the name of the third highest mountain in Washington?

10

What is the name of the lowest mountain in Alaska that is listed on the chart?



Addition Problems



Use the data found on the page "Mountains of the U.S."
and answer the questions below.

1

Add the heights of the highest mountains in Alaska and California.

2

Add the height of the highest mountain in Washington to the height of the second highest mountain in Washington.

3

Add the height of the third highest mountain in Colorado to the height of the fifth highest mountain in Alaska.

4

Add the height of the second highest mountain in Colorado to the height of the fourth highest mountain in California.

5

Add the height of the lowest mountain in Alaska to the height of the highest mountain in Colorado.

6

Add the heights of the lowest mountains in Washington and California.

7

Add the height of the lowest mountain in Colorado to the height of the third highest mountain in California.

8

Add the height of the fifth highest mountain in Alaska to the height of the third highest mountain in Washington.



Subtraction Problems



Use the data found on the page "Mountains of the U.S."
and answer the questions below.

1

Subtract the height of the highest mountain in California from the height of the highest mountain in Alaska.

2

Subtract the height of the second highest mountain in Washington from the height of the highest mountain in Washington.

3

Subtract the height of the third highest mountain in Colorado from the height of the fifth highest mountain in Alaska.

4

Subtract the height of the fourth highest mountain in California from the height of the second highest mountain in Colorado.

5

Subtract the height of the lowest mountain in Alaska from the height of the highest mountain in Colorado.

6

Subtract the height of the lowest mountain in California from the height of the lowest mountain in Washington.

7

Subtract the height of the lowest mountain in Colorado from the height of the third highest mountain in California.

8

Subtract the height of the third highest mountain in Washington from the height of the fifth highest mountain in Alaska.



Mixed Problems



Use the data found on the page "Mountains of the U.S."
and answer the questions below.

1 How many mountains located in Washington are on the chart?

2 Subtract the lowest mountain from the highest mountain listed on the chart.

3 Subtract the height of Huron Peak in Colorado from the height of Mt Augusta in Alaska.

4 How many mountains located in California are on the chart?

5 Add the second lowest mountain listed on the chart and the second highest mountain listed.

6 Add the height of Mt. Yale in Colorado to the height of Mt. Whitney in California.

7 Add together the height of the three mountains located in Washington.

8 How many mountains on the chart are over 15,000 feet in height?

9 Subtract the height of Liberty Cap in Washington from the height of White Mountain in California.

10 Add the height of Castle Peak in Colorado to the height of Mt. Bear in Alaska.



Reading Charts Practice II



Use the data found on the page "Elevations of the U.S."
and answer the questions below.

1

What state on the chart has the lowest point?

2

The highest point in one state is 11,239. Which state is this?

3

What state is Mt. Sunflower in?

4

How high is Backbone Mountain?

5

How many states have highest places under 1,000 feet?

6

What state is Boundary Peak in?

7

How high is Borah Peak?

8

How many states have highest points over 10,000 feet?

9

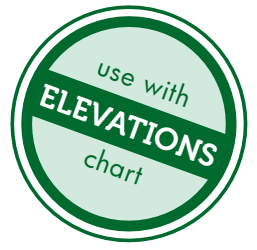
Which is higher, the highest place in Arkansas or the highest place in Minnesota?

10

Which is lower, the highest place in Maine or the highest place in New York?



Addition and Subtraction Problems



Use the data found on the page "Elevations of the U.S."
and answer the questions below.

1

Subtract the height of the highest point in Arkansas from the height of the highest point in California.

2

Add the height of the highest point in Wyoming to the height of the highest point in North Carolina.

3

Subtract the height of the highest point in Georgia from the height of the highest point in Arizona.

4

Add the height of the highest points in Iowa and Tennessee.

5

Subtract the height of the highest point in Oregon from the height of the highest point in Montana.

6

Add the heights of the highest points in Louisiana and Connecticut.

7

Subtract the height of the highest point in North Dakota from the height of the highest point in South Dakota.

8

Add the heights of the highest points in New Jersey, Mississippi and Louisiana.

9

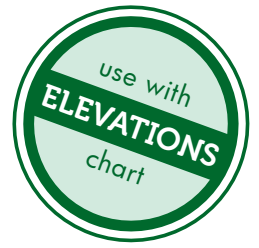
Add the height of the highest points in Rhode Island and Wisconsin. Then, subtract this amount from the height of the highest point in West Virginia.

10

Add the height of the highest points in Kansas and Kentucky. Then, subtract this amount from the height of the highest point in Colorado.



Easier Word Problems: To The Top



Use the data found on the page "Elevations of the U.S."
and answer the questions below.

1

Jeannie and Rebecca climbed to the top of the highest points in North Carolina and South Carolina in the same week. How many feet did they climb to get to the top?

2

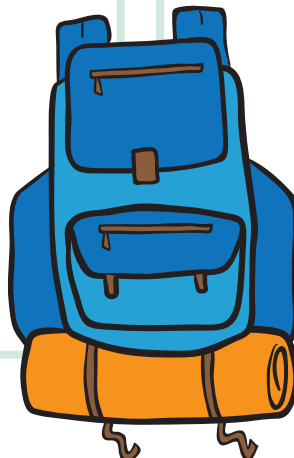
Jeannie and Rebecca climbed to the top of the highest point in Nebraska. Next, they climbed to the highest point in Kansas. How many more feet did they climb in Nebraska than in Kansas?

3

When Jeannie and Rebecca climbed up to the highest places in Mississippi, Louisiana and Alabama, how many feet did they climb in total?

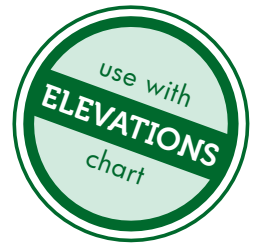
4

Jeannie and Rebecca climbed to the top of the highest point in Wyoming. Next, they climbed the highest point in Montana. How many more feet did they climb in Wyoming than in Montana?





More Challenging Word Problems



When you climb up to the top of a mountain, you have to climb down too! Use the data found on the page "Elevations of the U.S." and answer the questions below.

1

Jack and Simon climbed to the top of the highest point in Alaska, Mt. McKinley (which is also the highest mountain in all of the United States). Since they had to climb down Mt. McKinley as well, how many feet did they climb, up and down?

2

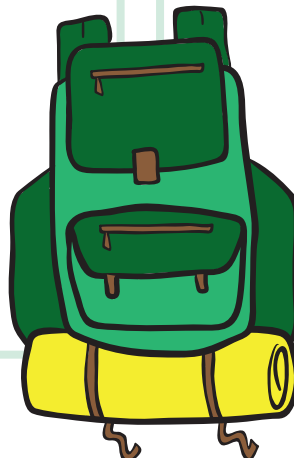
Jack and Simon climbed to the top of the highest point in New Mexico, where a helicopter picked them up and flew them to the highest point in Colorado. From there they made their descent. How many feet did they climb on the two mountains?

3

Jack and Simon climbed to the top of the highest point in New Hampshire, where a helicopter picked them up. The helicopter flew them to the bottom of the highest point in Maine, where they hiked to the top and back down. How many feet did they climb on the two mountains?

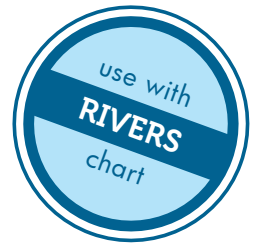
4

The highest point in Idaho is much higher than the highest point in Minnesota. Jack and Simon climbed up and down the highest point in Minnesota two times because they liked the scenery so much. How many more feet did they climb just to get to the top of the highest point in Idaho than they hiked in total in Minnesota?





Math Problem Basics: Dividing by 2



Use the data found on the page "Rivers of the U.S."
and answer the questions below.

When you measure the length of something, like a piece of rope, to find out what half of its length is, divide by 2.

For example: If a river is 422 miles long, half the length of the river is 211 feet long. $422 \div 2 = 211$.

1

How many miles is half of the Cumberland River?

2

How many miles is half of the Illinois River?

3

Add the lengths of the Little Missouri River and the Osage River. How many miles is half of this amount?

4

Add the lengths of the Ohio-Allegheny River and the Pecos River. How many miles is half of this amount?

5

How many miles is half of the Red River?

6

How many miles is half of the Salmon River added to the length of the Porcupine River?

7

How many miles is half of the Snake River added to half of the Smoky Hill River?

8

Add half the length of the Wabash River to half the length of the James River to the full length of the Powder River. How many miles did you get?



Math Problem Basics: Dividing by 3



Use the data found on the page "Rivers of the U.S."
and answer the questions below.

When you measure the length of something, like a piece of rope, to find out what one-third of that length is, all you have to do is divide by 3.

For example: If a river is 963 miles long, one-third of the length of the river is 321 feet long: $963 \div 3 = 321$.

1

How many miles is half of the Delaware River?

2

How many miles is one-third of the length of the Delaware River?

3

How many miles is one-third of the Canadian River?

4

How many miles is two-thirds of the Canadian River?

5

Add one-third of the Snake River to the length of the Washita River.

6

Add one-third of the Cumberland River to one-third of the North Platte River.

7

Add one-third of the Smoky Hill River to one-third of the Pend Oreille-Clark Fork River.

8

Subtract one-third of the Platte River from the length of the Ohio River.



Easier Word Problems



Use the data found on the page "Rivers of the U.S."
and answer the questions below.

1

Jim and Sam kayaked the entire length of the Rio Grande River. How many miles did they kayak?

2

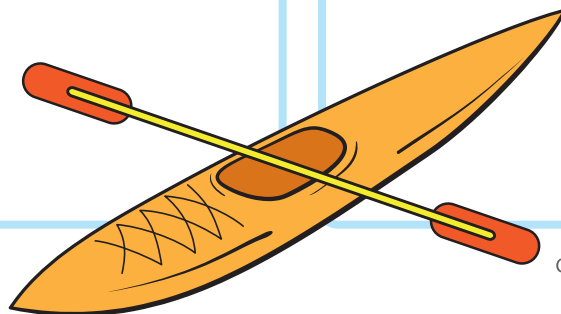
Jim and Sam decided they wanted to kayak on two different rivers. Jim kayaked the entire length of the Roanoke River, and Sam kayaked the entire length of the Sacramento River. How many miles did the two friends kayak in total?

3

Jim and Sam decided they wanted to kayak on two different rivers. Jim kayaked the entire length of the Roanoke River, and Sam kayaked the entire length of the Sacramento River. How many more miles did Jim kayak than Sam?

4

Jim and Sam set out to kayak the entire length of the Snake River. Unfortunately, exactly half way through the trip Sam got sick and had to stop. Jim kept on kayaking until he reached the end. How many miles did Jim and Sam kayak on the Snake River in total?





More Challenging Word Problems



Use the data found on the page "Rivers of the U.S."
and answer the questions below.

1

Sylvia and June canoed down the Pecos River. Exactly half way through, they had to stop because the rapids got too difficult. How many miles did the two friends canoe down the Pecos River?

2

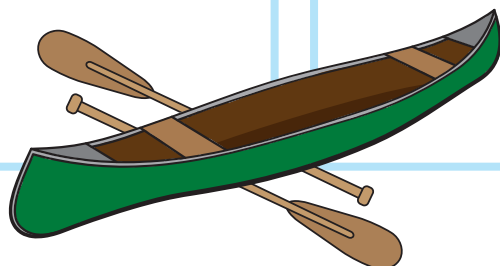
Sylvia and June decided they wanted to canoe down the whole length of the Cimarron River. Exactly half way through, June's canoe sprung a leak, and she had to stop. Sylvia continued on all the way to the end. When she came to the end, she turned around and went back to pick up June. June got in Sylvia's canoe, and the two of them canoed all the way to the beginning of the river. How many miles did Sylvia canoe on the river?

3

Sylvia and June decided they wanted to canoe down two different rivers. Sylvia canoed down the Platte River, and June canoed down the North Platte River. Both of them had to stop exactly half way down the two rivers. How many more miles did Sylvia canoe than her friend June?

4

Sylvia and June wanted to canoe the full length of the Delaware River. Unfortunately, Sylvia had to stop after going one-third of the way down the river after her canoe sprung a leak. June got further, but she could only make it exactly half way down the river because of a dangerous lightning storm. How many miles in total did the two friends canoe down the Delaware River?





Atlantic Ocean Coastline



Use the data found on the page "Shorelines of the U.S." and answer the questions below.

1

Ava and her family live in the far north of North Carolina, and her uncle and his family live in the far south of South Carolina. When Ava's family visits her uncle, they drive the entire length of both coastlines. How many miles of coastline do Ava and her family travel to get to her uncle's house?

2

Mike lives in the southern-most city of Florida. Mike is a football player, and his high school team has to travel north to another Florida town to play their high school football team. The Florida coastline is 580 miles long. If the second Florida town is located on the coast 290 miles north of Mike's city, how much further does he have to travel to get to the Georgia coast?



3

Traveling the length of the Maine coastline takes eight hours. Traveling the length of the New Hampshire coastline takes only one hour. How long does it take to travel from the most northern city on the Maine coast to the southern most city on the New Hampshire coast? If you traveled 200 miles south from the northern most Maine city, how many more miles would you have to travel before you came to the New Hampshire border?



Gulf of Mexico Coastline



Use the data found on the page "Shorelines of the U.S." and answer the questions below.

1

Travis lives on the Gulf Coast in the southern most city in Texas. His is visiting his friend Mindy, who lives hours away up the Texas coast. His starts his trip with a half tank of gas, so he has to get gas before he reaches Mindy's house. He stops to get gas 190 miles from his house. After he gets gas, he drives another 45 miles before he gets to Mindy's house. How many miles away from Travis's house is Mindy's house?

2

Jim lives at exactly the half-way point on the Gulf Coast of Florida, which is 385 miles from the northern most point of the coast. From his house, how many miles does Jim have to drive to get to the southern most point of the Florida coast?

3

Sandy and her family live at exactly the half-way point of the Mississippi Gulf Coast. The half-way point is 22 miles from both the Louisiana border and the Alabama border. Sandy loves a restaurant that is located on the Gulf Coast exactly on the border of Alabama and Florida. How many miles do Sandy and her family have to drive to get to the restaurant?





Pacific Ocean Coastline



Use the data found on the page "Shorelines of the U.S." and answer the questions below.

1

The distance between the northern most city on the Oregon coast and the southern most tip of California is 1,136 miles. Buster signed up for a sightseeing tour of the Oregon coast. The tour bus takes the passengers down the entire length of the Oregon coast. The California coast is 840 miles, so how many miles do Buster and the other tour passengers travel during their tour?

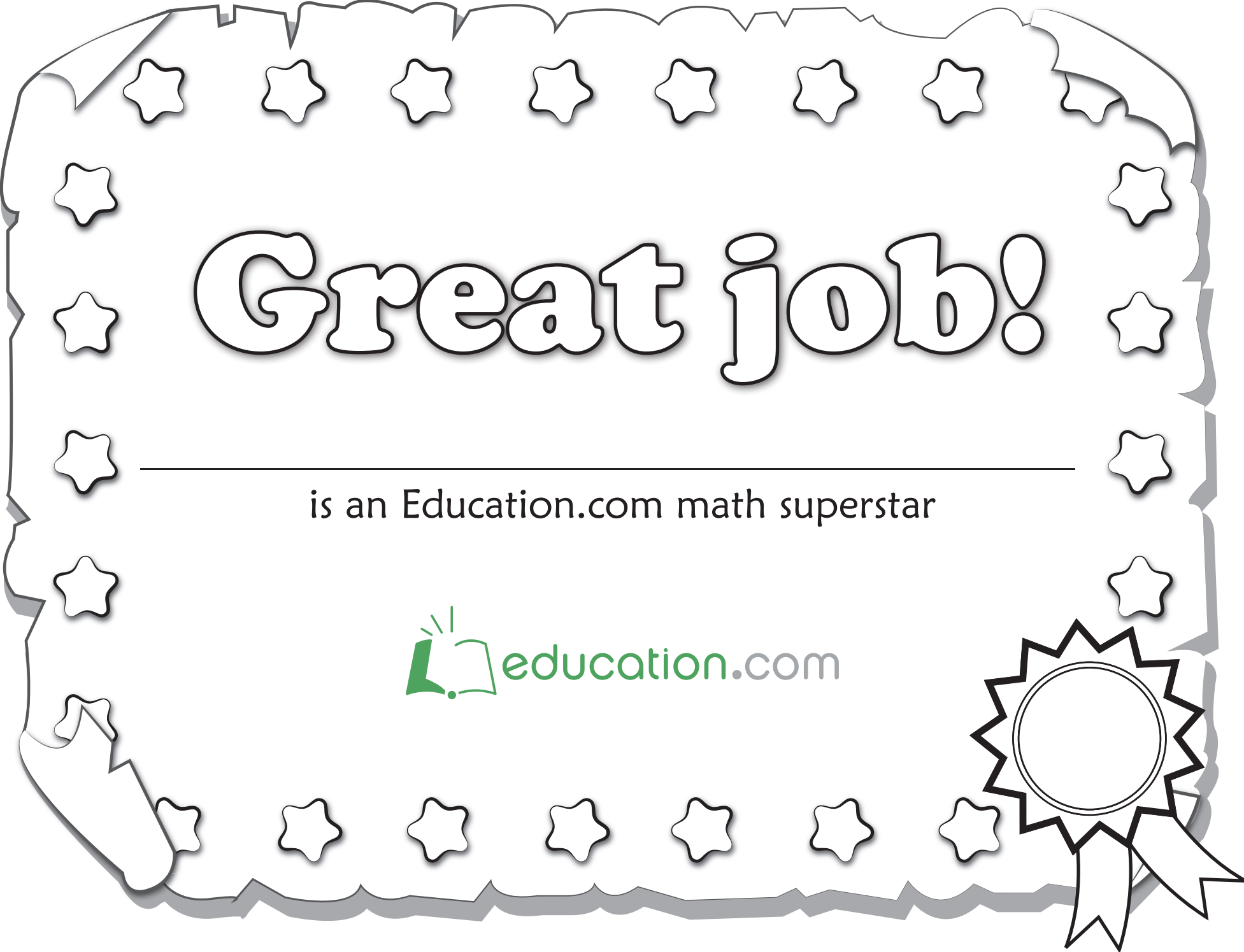
2

Sam lives in Canada. He is taking a vacation in Mexico, and he decides he wants to drive down the entire length of the Pacific Coast of the United States to get there. How many miles down the Pacific Coast will he travel before he reaches Mexico?

3

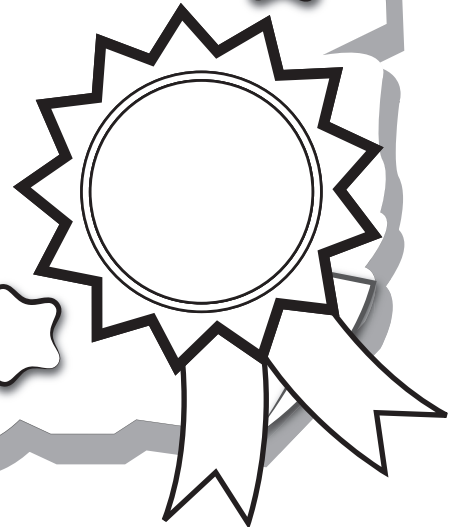
Julie is a marine biologist who works at an American college located on the Pacific Coast at the southern most tip of California. A group of seals she is studying live exactly at the border of the states Oregon and Washington. She knows that the coast line of California is 840 miles long. How many miles does she have to drive, if she leaves from her college, to get to the seals?





Great job!

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Answer Sheets

Geography Math

Reading Charts Practice I
Addition Problems
Subtraction Problems
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Pacific Ocean Coastline

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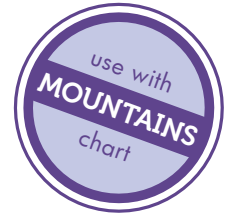
Answer Sheet



ANSWERS

Reading Charts Practice I

Use the data found on the page "Mountains of the U.S."
and answer the questions below.



1

What is the name of the second highest mountain in California?

Mt. Williamson

2

What is the name of the highest mountain in Alaska?

Mt. McKinley

3

What is the name of the highest mountain in Colorado?

Mt. Elbert

4

What is the name of the highest mountain in Washington?

Mt. Rainier

5

In what state is the highest mountain in the United States that is not located in Alaska?

California, Mt. Whitney

6

What is the name of the fifth highest mountain in Alaska?

Mt. Blackburn

7

What is the name of the third highest mountain in California?

White Mountain

8

What is the name of the tenth highest mountain in Colorado?

Mt. Antero

9

What is the name of the third highest mountain in Washington?

Liberty Cap

10

What is the name of the lowest mountain in Alaska that is listed on the chart?

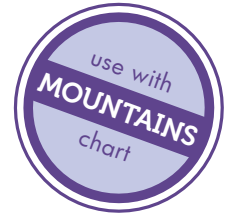
Mt. Augusta

Answer Sheet



ANSWERS Addition Problems

Use the data found on the page "Mountains of the U.S."
and answer the questions below.



1

Add the heights of the highest mountains in Alaska and California.

$$\begin{array}{r} \text{Mt. McKinley} \quad 20,320 \\ \text{Mt. Whitney} \quad + 14,500 \\ \hline 34,820 \end{array}$$

2

Add the height of the highest mountain in Washington to the height of the second highest mountain in Washington.

$$\begin{array}{r} \text{Mt. Rainier} \quad 14,410 \\ \text{Point Success} \quad + 14,158 \\ \hline 28,568 \end{array}$$

3

Add the height of the third highest mountain in Colorado to the height of the fifth highest mountain in Alaska.

$$\begin{array}{r} \text{Mt. Harvard} \quad 14,420 \\ \text{Mt. Blackburn} \quad + 16,390 \\ \hline 30,810 \end{array}$$

4

Add the height of the second highest mountain in Colorado to the height of the fourth highest mountain in California.

$$\begin{array}{r} \text{Mt. Massive} \quad 14,421 \\ \text{Mt. Sill} \quad + 14,162 \\ \hline 28,583 \end{array}$$

5

Add the height of the lowest mountain in Alaska to the height of the highest mountain in Colorado.

$$\begin{array}{r} \text{Mt. Augusta} \quad 14,070 \\ \text{Mt. Elbert} \quad + 14,440 \\ \hline 28,510 \end{array}$$

6

Add the heights of the lowest mountains in Washington and California.

$$\begin{array}{r} \text{Liberty Cap} \quad 14,112 \\ \text{Thunderbolt Peak} \quad + 14,003 \\ \hline 28,115 \end{array}$$

7

Add the height of the lowest mountain in Colorado to the height of the third highest mountain in California.

$$\begin{array}{r} \text{Sunshine Peak} \quad 14,001 \\ \text{White Mtn.} \quad + 14,246 \\ \hline 28,247 \end{array}$$

8

Add the height of the fifth highest mountain in Alaska to the height of the third highest mountain in Washington.

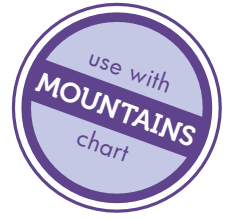
$$\begin{array}{r} \text{Mt. Blackburn} \quad 16,390 \\ \text{Liberty Cap} \quad + 14,112 \\ \hline 30,502 \end{array}$$

Answer Sheet



ANSWERS Subtraction Problems

Use the data found on the page "Mountains of the U.S."
and answer the questions below.



1

Subtract the height of the highest mountain in California from the height of the highest mountain in Alaska.

$$\begin{array}{r} \text{Mt. McKinley} \quad 20,320 \\ \text{Mt. Whitney} \quad - 14,494 \\ \hline 5,826 \end{array}$$

2

Subtract the height of the second highest mountain in Washington from the height of the highest mountain in Washington.

$$\begin{array}{r} \text{Mt. Rainier} \quad 14,410 \\ \text{Point Success} \quad - 14,158 \\ \hline 252 \end{array}$$

3

Subtract the height of the third highest mountain in Colorado from the height of the fifth highest mountain in Alaska.

$$\begin{array}{r} \text{Mt. Blackburn} \quad 16,390 \\ \text{Mt. Harvard} \quad - 14,420 \\ \hline 1,970 \end{array}$$

4

Subtract the height of the fourth highest mountain in California from the height of the second highest mountain in Colorado.

$$\begin{array}{r} \text{Mt. Massive} \quad 14,421 \\ \text{North Palisade} \quad - 14,242 \\ \hline 179 \end{array}$$

5

Subtract the height of the lowest mountain in Alaska from the height of the highest mountain in Colorado.

$$\begin{array}{r} \text{Mt. Elbert} \quad 14,433 \\ \text{Mt. Augusta} \quad - 14,070 \\ \hline 363 \end{array}$$

6

Subtract the height of the lowest mountain in California from the height of the lowest mountain in Washington.

$$\begin{array}{r} \text{Liberty Cap} \quad 14,112 \\ \text{Thunderbolt Peak} \quad - 14,003 \\ \hline 109 \end{array}$$

7

Subtract the height of the lowest mountain in Colorado from the height of the third highest mountain in California.

$$\begin{array}{r} \text{White Mtn.} \quad 14,246 \\ \text{Sunshine Peak} \quad - 14,001 \\ \hline 245 \end{array}$$

8

Subtract the height of the third highest mountain in Washington from the height of the fifth highest mountain in Alaska.

$$\begin{array}{r} \text{Mt. Blackburn} \quad 16,390 \\ \text{Liberty Cap} \quad - 14,112 \\ \hline 2,278 \end{array}$$

Answer Sheet



ANSWERS Mixed Problems

Use the data found on the page "Mountains of the U.S."
and answer the questions below.



1

How many mountains located in Washington are on the chart?

3

2

Subtract the lowest mountain from the highest mountain listed on the chart.

$$\begin{array}{r} 20,320 \\ - 14,001 \\ \hline 6,319 \end{array}$$

3

Subtract the height of Huron Peak in Colorado from the height of Mt Augusta in Alaska.

$$\begin{array}{r} 14,070 \\ - 14,003 \\ \hline 67 \end{array}$$

4

How many mountains located in California are on the chart?

14

5

Add the second lowest mountain listed on the chart and the second highest mountain listed.

$$\begin{array}{r} 18,008 \\ + 14,003 \\ \hline 32,011 \end{array}$$

6

Add the height of Mt. Yale in Colorado to the height of Mt. Whitney in California.

$$\begin{array}{r} 14,196 \\ + 14,494 \\ \hline 28,690 \end{array}$$

7

Add together the height of the three mountains located in Washington.

$$\begin{array}{r} 14,410 \\ + 14,158 \\ \hline 28,568 \end{array} \quad \begin{array}{r} 28,568 \\ + 14,112 \\ \hline 42,680 \end{array}$$

8

How many mountains on the chart are over 15,000 feet in height?

10

9

Subtract the height of Liberty Cap in Washington from the height of White Mountain in California.

$$\begin{array}{r} 14,246 \\ - 14,112 \\ \hline 134 \end{array}$$

10

Add the height of Castle Peak in Colorado to the height of Mt. Bear in Alaska.

$$\begin{array}{r} 14,265 \\ + 14,831 \\ \hline 29,096 \end{array}$$

Answer Sheet



ANSWERS Reading Charts Practice II

Use the data found on the page "Elevations of the U.S."
and answer the questions below.



1

What state on the chart has the lowest point?

Florida

2

The highest point in one state is 11,239. Which state is this?

Oregon, Mt. Hood

3

What state is Mt. Sunflower in?

Kansas

4

How high is Backbone Mountain?

3,360 ft.

5

How many states have highest places under 1,000 feet?

6

6

What state is Boundary Peak in?

Nevada

7

How high is Borah Peak?

12,662 ft.

8

How many states have highest points over 10,000 feet?

13

9

Which is higher, the highest place in Arkansas or the highest place in Minnesota?

Arkansas (2,753 ft.)

10

Which is lower, the highest place in Maine or the highest place in New York?

Maine (5,267 ft.)

Answer Sheet



ANSWERS

Addition and Subtraction Problems

Use the data found on the page "Elevations of the U.S."
and answer the questions below.



1

Subtract the height of the highest point in Arkansas from the height of the highest point in California.

$$\begin{array}{r} 14,494 \\ - 2,753 \\ \hline 11,741 \end{array}$$

2

Add the height of the highest point in Wyoming to the height of the highest point in North Carolina.

$$\begin{array}{r} 13,804 \\ + 6,684 \\ \hline 20,488 \end{array}$$

3

Subtract the height of the highest point in Georgia from the height of the highest point in Arizona.

$$\begin{array}{r} 12,633 \\ - 4,784 \\ \hline 7,849 \end{array}$$

4

Add the height of the highest points in Iowa and Tennessee.

$$\begin{array}{r} 1,670 \\ + 6,643 \\ \hline 8,313 \end{array}$$

5

Subtract the height of the highest point in Oregon from the height of the highest point in Montana.

$$\begin{array}{r} 12,799 \\ - 11,239 \\ \hline 1,560 \end{array}$$

6

Add the heights of the highest points in Louisiana and Connecticut.

$$\begin{array}{r} 535 \\ + 2,380 \\ \hline 2,915 \end{array}$$

7

Subtract the height of the highest point in North Dakota from the height of the highest point in South Dakota.

$$\begin{array}{r} 7,242 \\ - 3,506 \\ \hline 3,736 \end{array}$$

8

Add the heights of the highest points in New Jersey, Mississippi and Louisiana.

$$\begin{array}{r} 1,803 \\ + 806 \\ \hline 2,609 \end{array} \quad \begin{array}{r} 2,609 \\ + 535 \\ \hline 3,144 \end{array}$$

9

Add the height of the highest points in Rhode Island and Wisconsin. Then, subtract this amount from the height of the highest point in West Virginia.

$$\begin{array}{r} 812 \\ + 1,951 \\ \hline 2,763 \end{array} \quad \begin{array}{r} 4,863 \\ - 2,763 \\ \hline 2,100 \end{array}$$

10

Add the height of the highest points in Kansas and Kentucky. Then, subtract this amount from the height of the highest point in Colorado.

$$\begin{array}{r} 4,039 \\ + 4,145 \\ \hline 8,184 \end{array} \quad \begin{array}{r} 14,440 \\ - 8,184 \\ \hline 6,256 \end{array}$$

Answer Sheet



ANSWERS

Easier Word Problems: To The Top

Use the data found on the page "Elevations of the U.S."
and answer the questions below.



1

Jeannie and Rebecca climbed to the top of the highest points in North Carolina and South Carolina in the same week. How many feet did they climb to get to the top?

$$\begin{array}{r} 6,684 \\ + 3,560 \\ \hline 10,244 \end{array}$$

2

Jeannie and Rebecca climbed to the top of the highest point in Nebraska. Next, they climbed to the highest point in Kansas. How much higher did they climb in Nebraska than in Kansas?

$$\begin{array}{r} 5,424 \\ - 4,039 \\ \hline 1,385 \end{array}$$

3

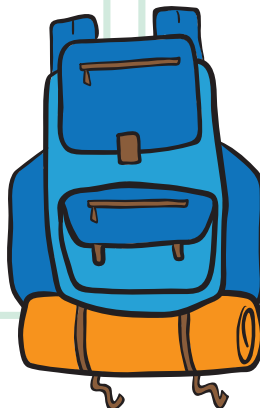
When Jeannie and Rebecca climbed up to the highest places in Mississippi, Louisiana and Alabama, how many feet did they climb in total?

$$\begin{array}{r} 806 \\ 535 \\ + 2,405 \\ \hline 3,746 \end{array}$$

4

Jeannie and Rebecca climbed to the top of the highest point in Wyoming. Next, they climbed the highest point in Montana. How many more feet did they climb to get to the top in Wyoming than in Montana?

$$\begin{array}{r} 13,804 \\ - 12,799 \\ \hline 1,005 \end{array}$$



Answer Sheet



ANSWERS

More Challenging Word Problems



When you climb up to the top of a mountain, you have to climb down too! Use the data found on the page "Elevations of the U.S." and answer the questions below.

1

Jack and Simon climbed to the top of the highest point in Alaska, Mt. McKinley (which is also the highest mountain in all of the United States). Since they had to climb down Mt. McKinley as well, how many feet did they climb, up and down?

$$\begin{array}{r} 20,320 \\ \times 2 \\ \hline 40,640 \end{array}$$

OR

$$\begin{array}{r} 20,320 \\ + 20,320 \\ \hline 40,640 \end{array}$$

2

Jack and Simon climbed to the top of the highest point in New Mexico, where a helicopter picked them up and flew them to the highest point in Colorado. From there they made their descent. How many feet did they climb on the two mountains?

$$\begin{array}{r} 14,433 \\ + 13,167 \\ \hline 27,600 \end{array}$$

3

Jack and Simon climbed to the top of the highest point in New Hampshire, where a helicopter picked them up. The helicopter flew them to the bottom of the highest point in Maine, where they hiked to the top and back down. How many feet did they climb on the two mountains?

$$\begin{array}{r} 5,267 \\ \times 2 \\ \hline 10,534 \end{array}$$

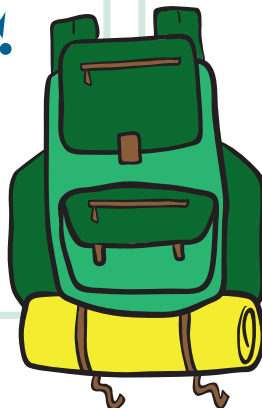
$$\begin{array}{r} 10,534 \\ + 6,288 \\ \hline 16,822 \end{array}$$

4

The highest point in Idaho is much higher than the highest point in Minnesota. Jack and Simon climbed up and down the highest point in Minnesota two times because they liked the scenery so much. How many more feet did they climb just to get to the top of the highest point in Idaho than they hiked in total in Minnesota?

$$\begin{array}{r} 2,301 \\ \times 4 \\ \hline 9,204 \end{array}$$

$$\begin{array}{r} 12,662 \\ - 9,204 \\ \hline 3,458 \end{array}$$



Answer Sheet



ANSWERS

Math Problem Basics: Dividing by 2



Use the data found on the page "Rivers of the U.S."
and answer the questions below.

When you measure the length of something, like a piece of rope, to find out what half of its length is, divide by 2.

For example: If a river is 422 miles long, half the length of the river is 211 feet long. $422 \div 2 = 211$.

1

How many miles is half of the Cumberland River?

$$720 \div 2 = 360$$

2

How many miles is half of the Illinois River?

$$420 \div 2 = 210$$

3

Add the lengths of the Little Missouri River and the Osage River. How many miles is half of this amount?

$$560 + 500 = 1,060$$

$$1060 \div 2 = 530$$

4

Add the lengths of the Ohio-Allegheny River and the Pecos River. How many miles is half of this amount?

$$1306 + 926 = 2,232$$

$$2,232 \div 2 = 1,116$$

5

How many miles is half of the Red River?

$$1,290 \div 2 = 645$$

6

How many miles is half of the Salmon River added to the length of the Porcupine River?

$$420 \div 2 = 210$$

$$210 + 569 = 779$$

7

How many miles is half of the Snake River added to half of the Smoky Hill River?

$$1,038 \div 2 = 519$$

$$540 \div 2 = 270$$

$$519 + 270 = 789$$

8

Add half the length of the Wabash River to half the length of the James River to the full length of the Powder River. How many miles did you get?

$$512 \div 2 = 256$$

$$710 \div 2 = 355$$

$$\begin{array}{r} 256 \\ 355 \\ + 375 \\ \hline 986 \end{array}$$

Answer Sheet



ANSWERS

Math Problem Basics: Dividing by 3



Use the data found on the page "Rivers of the U.S."
and answer the questions below.

When you measure the length of something, like a piece of rope, to find out what one-third of that length is, all you have to do is divide by 3.

For example: If a river is 963 miles long, one-third of the length of the river is 321 feet long: $963 \div 3 = 321$.

1

How many miles is half of the Delaware River?

$$390 \div 2 = 195$$

2

How many miles is one-third of the length of the Delaware River?

$$390 \div 3 = 130$$

3

How many miles is one-third of the Canadian River?

$$906 \div 3 = 302$$

4

How many miles is two-thirds of the Canadian River?

$$\begin{aligned} 906 \div 3 &= 302 \\ 302 + 302 &= 604 \end{aligned}$$

5

Add one-third of the Snake River to the length of the Washita River.

$$\begin{aligned} 1,038 \div 3 &= 346 \\ 346 + 500 &= 846 \end{aligned}$$

6

Add one-third of the Cumberland River to one-third of the North Platte River.

$$\begin{aligned} 720 \div 3 &= 240 \\ 618 \div 3 &= 206 \\ 240 + 206 &= 446 \end{aligned}$$

7

Add one-third of the Smoky Hill River to one-third of the Pend Oreille-Clark Fork River.

$$\begin{aligned} 540 \div 3 &= 180 \\ 531 \div 3 &= 177 \\ 180 + 177 &= 357 \end{aligned}$$

8

Subtract one-third of the Platte River from the length of the Ohio River.

$$\begin{aligned} 990 \div 3 &= 330 \\ 981 - 330 &= 651 \end{aligned}$$

Answer Sheet



ANSWERS Easier Word Problems

Use the data found on the page "Rivers of the U.S."
and answer the questions below.



1

Jim and Sam kayaked the entire length of the Rio Grande River. How many miles did they kayak?

1,900 miles

2

Jim and Sam decided they wanted to kayak on two different rivers. Jim kayaked the entire length of the Roanoke River, and Sam kayaked the entire length of the Sacramento River. How many miles did the two friends kayak in total?

$$\begin{array}{r} 380 \\ + 377 \\ \hline 757 \end{array}$$

3

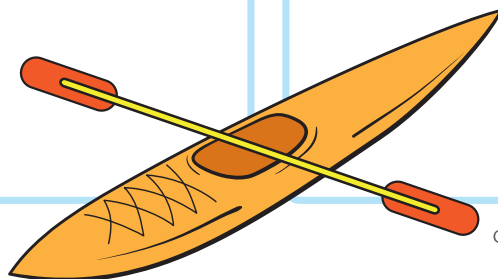
Jim and Sam decided they wanted to kayak on two different rivers. Jim kayaked the entire length of the Roanoke River, and Sam kayaked the entire length of the Sacramento River. How many more miles did Jim kayak than Sam?

$$\begin{array}{r} 380 \\ - 377 \\ \hline 3 \end{array}$$

4

Jim and Sam set out to kayak the entire length of the Snake River. Unfortunately, exactly half way through the trip Sam got sick and had to stop. Jim kept on kayaking until he reached the end. How many miles did Jim and Sam kayak on the Snake River in total?

$$\begin{array}{l} 1,038 \div 2 = 519 \\ 519 + 1,038 = 1,557 \end{array}$$



Answer Sheet



ANSWERS

More Challenging Word Problems

Use the data found on the page "Rivers of the U.S."
and answer the questions below.



1

Sylvia and June canoed down the Pecos River. Exactly half way through, they had to stop because the rapids got too difficult. How many miles did the two friends canoe down the Pecos River?

$$926 \div 2 = 463$$

2

Sylvia and June decided they wanted to canoe down the whole length of the Cimarron River. Exactly half way through, June's canoe sprung a leak, and she had to stop. Sylvia continued on all the way to the end. When she came to the end, she turned around and went back to pick up June. June got in Sylvia's canoe, and the two of them canoed all the way to the beginning of the river. How many miles did Sylvia canoe on the river?

$$600 \times 2 = 1,200$$

3

Sylvia and June decided they wanted to canoe down two different rivers. Sylvia canoed down the Platte River, and June canoed down the North Platte River. Both of them had to stop exactly half way down the two rivers. How many more miles did Sylvia canoe than her friend June?

$$990 \div 2 = 495$$

$$618 \div 2 = 309$$

$$495 - 309 = 186$$

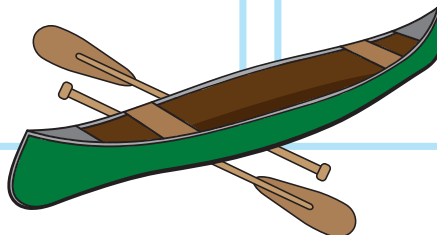
4

Sylvia and June wanted to canoe the full length of the Delaware River. Unfortunately, Sylvia had to stop after going one-third of the way down the river after her canoe sprung a leak. June got further, but she could only make it exactly half way down the river because of a dangerous lightning storm. How many miles in total did the two friends canoe down the Delaware River?

$$390 \div 3 = 130$$

$$390 \div 2 = 195$$

$$130 + 195 = 325$$



Answer Sheet

ANSWERS

Atlantic Ocean Coastline

Use the data found on the page "Shorelines of the U.S." and answer the questions below.



1

Ava and her family live in the far north of North Carolina, and her uncle and his family live in the far south of South Carolina. When Ava's family visits her uncle, they drive the entire length of both coastlines. How many miles of coastline do Ava and her family travel to get to her uncle's house?

$$\begin{array}{r} 301 \\ + 187 \\ \hline 488 \end{array}$$

2

Mike lives in the southern-most city of Florida. Mike is a football player, and his high school team has to travel north to another Florida town to play their high school football team. The Florida coastline is 580 miles long. If the second Florida town is located on the coastline 290 miles north of Mike's city, how much further does he have to travel to get to the Georgia coastline?

$$\begin{array}{r} 580 \\ - 290 \\ \hline 290 \end{array}$$



3

Traveling the length of the Maine coastline takes eight hours. Traveling the length of the New Hampshire coastline takes only one hour. How long does it take to travel from the most northern city on the Maine coastline to the southern most city on the New Hampshire coastline? If you traveled 200 miles south from the northern most Maine city, how many more miles would you have to travel before you came to the New Hampshire border?

$$8 \text{ hours} + 1 \text{ hour} = 9 \text{ hours}$$

$$228 - 200 = 28$$

Answer Sheet



ANSWERS

Gulf of Mexico Coastline

Use the data found on the page "Shorelines of the U.S." and answer the questions below.



1

Travis lives on the Gulf Coast in the southern most city in Texas. He is visiting his friend Mindy, who lives hours away up the Texas coast. He starts his trip with a half tank of gas, so he has to get gas before he reaches Mindy's house. He stops to get gas 190 miles from his house. After he gets gas, he drives another 45 miles before he gets to Mindy's house. How many miles away from Travis's house is Mindy's house?

$$\begin{array}{r} 190 \\ + 45 \\ \hline 235 \end{array}$$

2

Jim lives at exactly the half-way point on the Gulf Coast of Florida, which is 385 miles from the northern most point of the coast. From his house, how many miles does Jim have to drive to get to the southern most point of the Florida coast?

$$\begin{array}{r} 770 \\ - 385 \\ \hline 385 \end{array}$$

3

Sandy and her family live at exactly the half-way point of the Mississippi Gulf Coast. The half-way point is 22 miles from both the Louisiana border and the Alabama border. Sandy loves a restaurant that is located on the Gulf Coast exactly on the border of Alabama and Florida. How many miles does Sandy and her family have to drive to get to the restaurant?

$$\begin{array}{r} 22 \\ + 53 \\ \hline 75 \end{array}$$



Answer Sheet



ANSWERS

Pacific Ocean Coastline

Use the data found on the page "Shorelines of the U.S." and answer the questions below.



1

The distance between the northern most city on the Oregon coast and the southern most tip of California is 1,136 miles. Buster signed up for a sightseeing tour of the Oregon coast. The tour bus takes the passengers down the entire length of the Oregon coast. The California coast is 840 miles, so how many miles do Buster and the other tour passengers travel during their tour?

$$\begin{array}{r} 1,136 \\ - 840 \\ \hline 296 \end{array}$$

2

Sam lives in Canada. He is taking a vacation in Mexico, and he decides he wants to drive down the entire length of the Pacific Coast of the United States to get there. How many miles down the Pacific Coast will he travel before he reaches Mexico?

$$\begin{array}{r} 157 \\ 296 \\ + 840 \\ \hline 1,293 \end{array}$$

3

Julie is a marine biologist who works at an American college located on the Pacific Coast at the southern most tip of California. A group of seals she is studying live exactly at the border of the states Oregon and Washington. She knows that the coast line of California is 840 miles long. How many miles does she have to drive, if she leaves from her college, to get to the seals?

$$\begin{array}{r} 296 \\ + 840 \\ \hline 1,136 \end{array}$$

