

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?



Table of Contents

Geography Math

Shorelines of the U.S.
Mountains of the U.S.
Rivers of the U.S.
Elevations of the U.S.
Reading Charts Practice I *
Addition Problems *
Subtraction Problems *
Mixed Problems *
Reading Charts Practice II *
Addition and Subtraction Problems *
Easier Word Problems: To the Top *
More Challenging Word Problems #1 *
Math Problem Basics: Dividing By 2 *
Math Problem Basics: Dividing by 3 *
Easier Word Problems *
More Challenging Word Problems #2 *
Atlantic Ocean Coastline *
Gulf of Mexico Coastline *
Pacific Ocean Coastline *

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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
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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
Torreys 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.

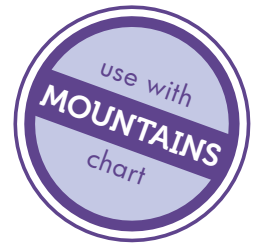
6 Subtract the height of the lowest mountain in California from the height of the lowest mountain in Washington.

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.

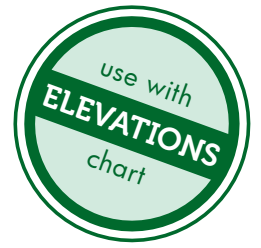
8 How many mountains on the chart are over 15,000 feet in height?

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?

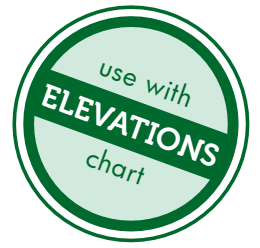
8 How many states have highest points over 10,000 feet?

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.

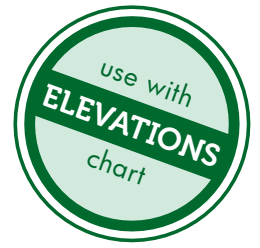
8 Add the heights of the highest points in New Jersey, Mississippi and Louisiana.

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

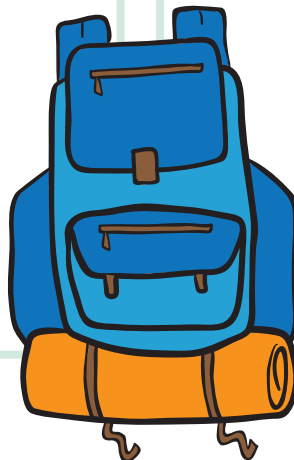
Jeannie and Rebecca climbed to the top of the highest point in Nebraska. Next, they climbed to the highest point in Kansas. How many more feet did they climb in Nebraska than in Kansas?

3

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

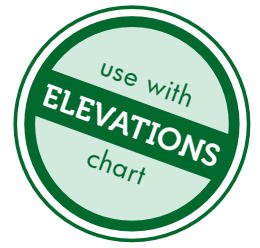
4

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

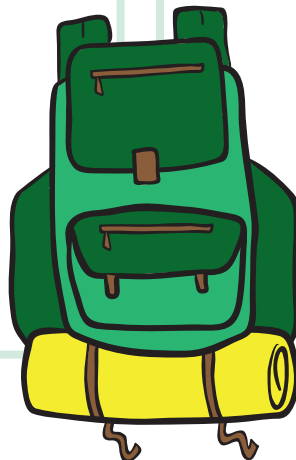
Jack and Simon climbed to the top of the highest point in New Mexico, where a helicopter picked them up and flew them to the highest point in Colorado. From there they made their descent. How many feet did they climb on the two mountains?

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

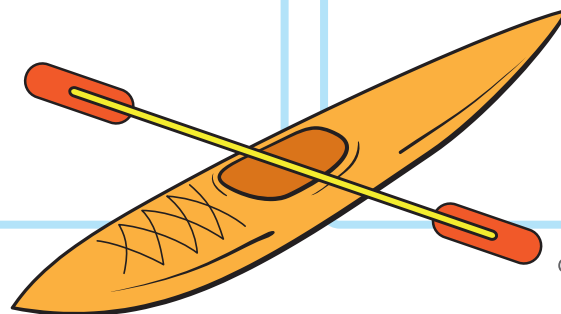
Jim and Sam decided they wanted to kayak on two different rivers. Jim kayaked the entire length of the Roanoke River, and Sam kayaked the entire length of the Sacramento River. How many miles did the two friends kayak in total?

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



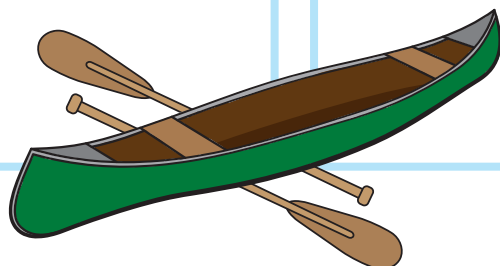
Use the data found on the page "Rivers of the U.S." and answer the questions below.

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?

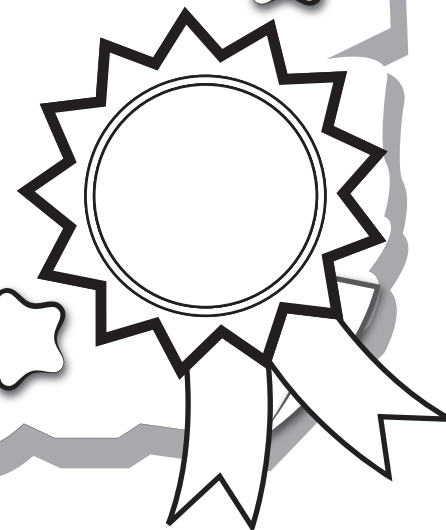
3

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
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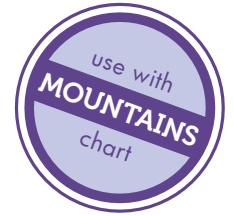
Answer Sheet

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

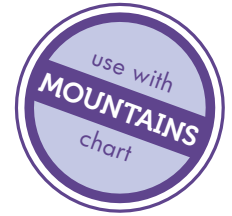
What is the name of the lowest mountain in Alaska that is listed on the chart?

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

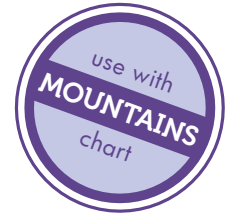
Add the height of the fifth highest mountain in Alaska to the height of the third highest mountain in Washington.

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

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

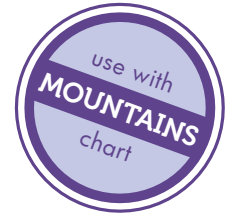
Subtract the height of the third highest mountain in Washington from the height of the fifth highest mountain in Alaska.

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

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.

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

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.

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

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

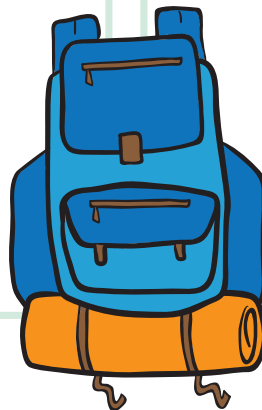
When Jeannie and Rebecca climbed up to the highest places in Mississippi, Louisiana and Alabama, how many feet did they climb in total?

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

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?

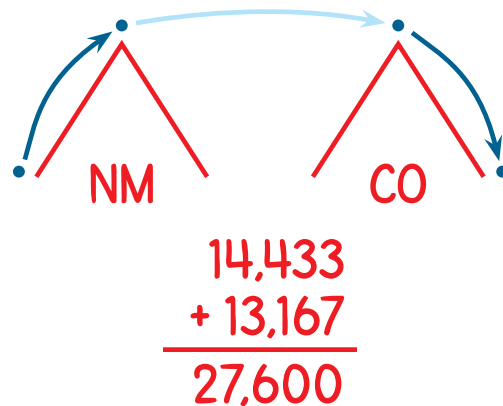
$$\begin{array}{r} 20,320 \\ \times 2 \\ \hline 40,640 \end{array}$$

OR

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

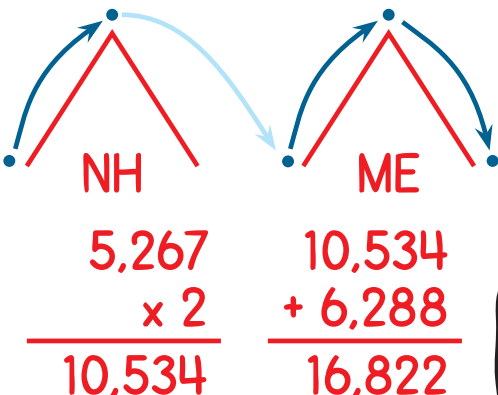
2

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?



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?

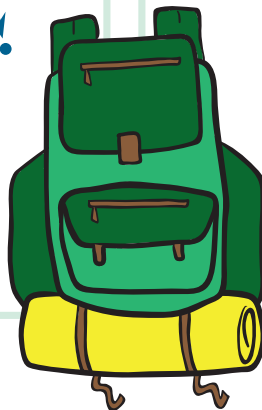


4

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?

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

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



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?

$$512 \div 2 = 256$$
$$710 \div 2 = 355$$
$$256 + 355 = 611$$
$$611 + 375 = 986$$

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?

$$906 \div 3 = 302$$
$$302 + 302 = 604$$

5

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

$$1,038 \div 3 = 346$$
$$346 + 500 = 846$$

6

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

$$720 \div 3 = 240$$
$$618 \div 3 = 206$$
$$240 + 206 = 446$$

7

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

$$540 \div 3 = 180$$
$$531 \div 3 = 177$$
$$180 + 177 = 357$$

8

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

$$990 \div 3 = 330$$
$$981 - 330 = 651$$

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

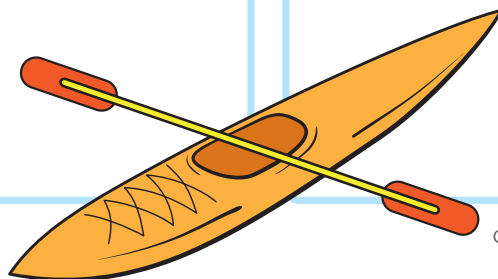
Jim and Sam decided they wanted to kayak on two different rivers. Jim kayaked the entire length of the Roanoke River, and Sam kayaked the entire length of the Sacramento River. How many more miles did Jim kayak than Sam?

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

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?

$$990 \div 2 = 495$$

$$618 \div 2 = 309$$

$$495 - 309 = 186$$

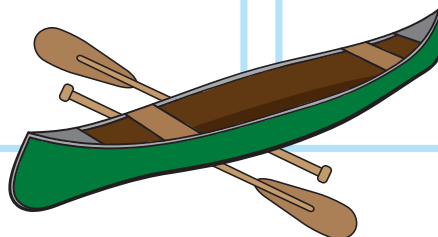
4

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?

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

