

Name _____

Date _____



PROBLEM SOLVING - ON THE MOUNTAINS

(STANDARD UNITS)

Below is a selection of some of the tallest mountains from each continent.

MOUNTAIN	CONTINENT	HEIGHT (FT)	HEIGHT TO NEAREST 1000 FT
McKinley	N. America	20320	
Everest	Asia	29035	
Kilimanjaro	Africa	19340	
Elbrus	Europe	18510	
Puncak Jaya	Oceania	16024	
Vinson Massif	Antarctica	16050	
Aconcagua	S. America	22841	

- 1) Fill in the height of each mountain to the nearest 1000 ft.
- 2) Write the mountains in height order, from smallest to largest below.

- 3) How much higher is Kilimanjaro than Vinson Massif?
- 4) How much higher is Everest than Elbrus?
- 5) What is the total height of McKinley and Vinson Massif?
- 6) What is the total height of the tallest 3 mountains?
- 7) How much higher is Aconcagua than Puncak Jaya?
- 8) How much lower is Puncak Jaya than McKinley?
- 9) Tyger says "The total height of Everest and Aconcagua is more than the total height of the 3 smallest mountains." Is he correct?





PROBLEM SOLVING - ON THE MOUNTAINS

ANSWERS (STANDARD UNITS)

MOUNTAIN	CONTINENT	HEIGHT (FT)	HEIGHT TO NEAREST 1000 FT
McKinley	N. America	20320	20000
Everest	Asia	29035	29000
Kilimanjaro	Africa	19340	19000
Elbrus	Europe	18510	19000
Puncak Jaya	Oceania	16024	16000
Vinson Massif	Antarctica	16050	16000
Aconcagua	S. America	22841	23000

- 1) Fill in the height of each mountain to the nearest 1000 ft.
- 2) Write the mountains in height order, from smallest to largest below.
Puncak Jaya Vinson Massif Elbrus Kilimanjaro McKinley Aconcagua Everest
- 3) How much higher is Kilimanjaro than Vinson Massif? **3,290ft**
- 4) How much higher is Everest than Elbrus? **10,525ft**
- 5) What is the total height of McKinley and Vinson Massif? **36,370ft**
- 6) What is the total height of the tallest 3 mountains? **72,196ft**
- 7) How much higher is Aconcagua than Puncak Jaya? **6,817ft**
- 8) How much lower is Puncak Jaya than McKinley? **4,296ft**
- 9) Tyger says "The total height of Everest and Aconcagua is more than the total height of the 3 smallest mountains." Is he correct? **Everest + Aconcagua = 51,876.**
Puncak + Vinson + Elbrus = 50,584. So he is correct by 1,292ft.

