### Lesson 10 Practice Problems

1. Write a sentence to answer each question:
   1. How much warmer is 82 than 40?
   2. How much warmer is 82 than -40?
   3. What is the difference in height between 30 m up a cliff and 87 m up a cliff? What is the distance between these positions?
   4. What is the difference in height between an albatross flying at 100 m above the surface of the ocean and a shark swimming 30 m below the surface? What is the distance between them if the shark is right below the albatross?
2. The table shows four transactions and the resulting account balance in a bank account, except some numbers are missing. Fill in the missing numbers.

|  | * transaction amount | * account balance |
| --- | --- | --- |
| * transaction 1 | * 360 | * 360 |
| * transaction 2 | * -22.50 | * 337.50 |
| * transaction 3 |  | * 182.35 |
| * transaction 4 |  | * -41.40 |



1. Find each difference.
2. Last week, it rained inches. This week, the amount of rain decreased by 5%. Which expressions represent the amount of rain that fell this week? Select **all** that apply.

* (From Unit 6, Lesson 5.)

1. A company produces screens of different sizes. Based on the table, could there be a relationship between the number of pixels and the area of the screen? If so, write an equation representing the relationship. If not, explain your reasoning.

| * square inches of screen | * number of pixels |
| --- | --- |
| * 6 | * 31,104 |
| * 72 | * 373,248 |
| * 105 | * 544,320 |
| * 300 | * 1,555,200 |

* (From Unit 5, Lesson 5.)



© CC BY Open Up Resources. Adaptations CC BY IM.