**Lesson R.1 Homework Practice**

***Compare and Order Integers***

**Replace each with < or > to make a true sentence.**

 **1.** 18 23 **2.** –9 –1 **3.** –3 –5 **4.** 8 –2

 **5.** 6 –3 **6.** 0 8 **7.** 6 –7 **8.** –23 –16

**Order each set of numbers from least to greatest.**

 **9.** {10, –5, 3 16, –1, 0, 1} **10.** {–2.5, 4, 23, –1, 5, –3, 0.66}

 **11.** {1, –2.5, 0.75, 3, –0.75} **12.** {63, –34, 36, –27, –13, and 12}

**Order each set of integers from greatest to least.**

 **13.** {8, 43, –25, 12, –14, 3} **14.** {–8, 32, 55, –32, –19, –3}

 **15.** {–100, –89, –124, –69, –52} **16.** {6, 17, –20, 15, –19, 26}

**ROLLER COASTERS The table shows how several roller coasters compare to the Mantis. Refer to the table to answer Exercises 17–20.**

|  |  |  |
| --- | --- | --- |
| **Roller Coaster** | **Lift****Heights (ft)** | **Vertical****Drop (ft)** |
| Gemini | –20 | –19 |
| Magnum XL-200 | 60 | 58 |
| Top Thrill Dragster | 275 | 263 |
| Mantis | 0 | 0 |
| Millenium Force | 165 | 163 |
| Mean Streak | 16 | 18 |
| Raptor | –8 | –18 |

 **17.** Which roller coaster has the greatest lift height?

 **18.** Arrange the given roller coasters from least to greatest lift height.

 **19.** Which roller coaster has the lowest vertical drop?

 **20.** Which roller coaster has a lift height closest to the Mantis’s lift height?