

Lesson 3 Homework Practice

Compare and Order Integers

Replace each \bullet with $<$ or $>$ to make a true sentence.

1. $18 \bullet 23$

2. $-9 \bullet -1$

3. $-3 \bullet -5$

4. $8 \bullet -2$

5. $6 \bullet -3$

6. $0 \bullet 8$

7. $6 \bullet -7$

8. $-23 \bullet -16$

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. $\{63, -34, 36, -27, -13, \text{and } 12\}$

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?

Lesson 4 Homework Practice

Terminating and Repeating Decimals

Write each fraction as a decimal. Use bar notation if the decimal is a repeating decimal.

1. $\frac{5}{8}$

2. $\frac{2}{9}$

3. $\frac{16}{37}$

4. $-\frac{1}{9}$

5. $\frac{27}{50}$

6. $-\frac{3}{4}$

7. $\frac{5}{6}$

8. $\frac{1}{33}$

9. $-\frac{11}{60}$

Write each decimal as a fraction or mixed number in simplest form.

10. -0.4

11. -0.83

12. -3.75

13. **KILOMETERS** One kilometer is approximately $\frac{31}{50}$ mile. What decimal represents this length?

14. **MARATHON** Jake won 7 of the 15 races he ran. Write Jake's fraction of wins as a decimal.