Name Date

Concepts 1 - 5

Unit 1 Review

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**Concept 1 - Integer Operations: Simplify the Expression**

1. **2.**
2. 4.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Concept 2 - Order of Operations: Simplify the Expression if**

**5.** **6.**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Concept 3 – Rational Numbers

7. Convert into a mixed number

**8.** Convert into a decimal:

**Concept 4 – Adding & Subtracting Rational Numbers**

**9.**  **10.**

**11.**  **12**.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Concept 5 – Multiplying & Dividing Rational Numbers**

**13.**  **14.**

**15.**  **16.**

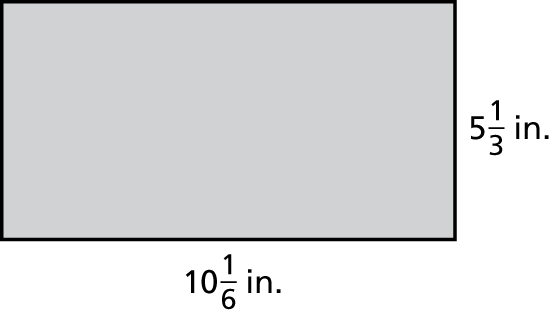
**Application – Are you really ready?!?**

**17.** The following table shows the amount of strokes, above / below par, in half a game of golf.   
 What is the golfer’s score?

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hole | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Score | 0 | -1 | 2 | -2 | 0 | 1 | -1 | 0 | -1 |

**18.** Sarah has a jumbo piece of licorice. It is 8 feet long! Sarah decides to share her licorice   
 with some friends. She gives Adam feet, Michelle feet and Kim feet. How much   
 licorice does Sarah have left over for herself?

**19.** How manypackages of peanuts can be made with 8 ounces of peanuts?



20. Find the area of the rectangle (Area = Length x Width):