

Module 1 Confirmation Test Review

Perform the following operations on fractions.

1. $\frac{3}{4} + \frac{4}{9}$

2. $2\frac{9}{11} - 1\frac{2}{3}$

3. $\frac{4}{5} \cdot \frac{15}{28}$

4. $1\frac{9}{16} \div \frac{5}{8}$

5. Write three fractions equivalent to $\frac{2}{3}$.

6. Amanda has $\frac{5}{7}$ of a gallon of milk left in her refrigerator. If she knows her kids will drink $\frac{1}{2}$ a gallon at dinner, how much will she have left for breakfast?

7. A rectangular room measures $10\frac{1}{2}$ feet wide and $13\frac{3}{7}$ feet long. How much carpet is needed to cover the whole floor of the room?

8. When grading the most recent math test that Mrs. White gave her students, she decided she should give partial credit for some problems if the students were able to show a clear understanding of the content they were tested on, but made unfortunate arithmetic errors. The test was worth 100 points and there were 20 questions on the test, all of equal value. Tonya, who is a very good math student earned full credit for 12 problems, $\frac{3}{4}$ of the full credit for 6 problems and only $\frac{1}{4}$ of the full credit for 2 problems. What did Tonya make on her test?

9. We've traveled only a quarter of the way to the beach from our house. The beach is 420 miles from our house. How many miles do we have to go before we arrive at the beach?

10. Compare each pair of fractions using $<$, $>$, or $=$.

a) $\frac{1}{2}$ $\frac{4}{9}$

b) $\frac{5}{3}$ $\frac{7}{4}$

c) $\frac{3}{11}$ $\frac{4}{15}$

d) $\frac{18}{36}$ $\frac{14}{28}$

Answers (CT Review Module 1)

1. $1\frac{7}{36}$

2. $1\frac{5}{33}$

3. $\frac{3}{7}$

4. $2\frac{1}{2}$

5. $\frac{4}{6}, \frac{6}{9}, \frac{8}{12}$

6. $\frac{3}{14}$ of a gallon

7. 141 square feet

8. 85

9. 315 miles

10. a) > b) < c) > d) =