

Name: _____

Date: _____ Per: _____

Fractions Study Guide

1. In what order should $\frac{4}{5}, \frac{7}{9}, \frac{1}{6}, \frac{11}{12}$ be listed to be arranged by increasing size?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

2. In what order should $\frac{2}{7}, \frac{1}{3}, \frac{3}{4}, \frac{4}{9}$ be listed to be arranged by increasing size?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

3. In what order should $\frac{3}{7}, \frac{4}{9}, \frac{4}{5}, \frac{5}{8}$ be listed to be arranged by increasing size?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

Name: _____

Date: _____ Per: _____

Fractions Study Guide

4. What is the least common denominator for adding the fractions $\frac{4}{45}, \frac{2}{6}, \frac{8}{15}$?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

5. What is the greatest common factor of the following numbers: 6, 15, 45?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

6. What is the least common multiple of the following numbers 12, 15, 30?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

Name: _____

Date: _____ Per: _____

Fractions Study Guide

7. When $\frac{1}{3}k + \frac{1}{4}k = 1$, what is the value of k ?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

8. When $\frac{1}{2}r + \frac{1}{3}r = 1$, what is the value of r ?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

9. When $\frac{3}{4}m + \frac{2}{5}m = 1$, what is the value of m ?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

Name: _____

Date: _____ Per: _____

Fractions Study Guide

10. What rational number is halfway between $\frac{1}{5}$ and $\frac{1}{3}$?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

11. What rational number is halfway $\frac{4}{5}$ between and $\frac{4}{7}$?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

Name: _____

Date: _____ Per: _____

Fractions Study Guide

12. A work crew paints a yellow line down the middle of a straight road $16\frac{1}{9}$ miles long over the course of 3 days. On day 1, the crew records $5\frac{8}{27}$ miles of road painted. On day 2, the crew records $3\frac{2}{3}$ miles of road painted. According to the measurements given, how many miles of road did the crew paint on day 2?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

13. 3 friends decide to do a relay run together. As a team, they must run a total of $8\frac{1}{2}$ miles. The first friend runs for $2\frac{3}{4}$ miles. The second one runs for $2\frac{5}{8}$ miles. How many miles must the third runner run in order for them to finish the relay race?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

Name: _____

Date: _____ Per: _____

Fractions Study Guide

14. Add the following fractions $\frac{x}{6} + \frac{y}{9} =$

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

15. If $\frac{A}{30} + \frac{B}{105} = \frac{7A+2B}{x}$ and A, B, and x are integers greater than 1, then what must x equal?

Know	Need to Know	My answer should be (circle one):	My answer should represent (circle one)
		number word list	number(s) angle distance

Skill needed:

Skills Needed:

Find the LCM

Find the GCF

Order fractions

Add/subtract fractions

Add/subtract mixed numbers