

Name \_\_\_\_\_

Date \_\_\_\_\_

## Fractions Review

Total Problems: **25**  
Problems Correct: \_\_\_\_\_

Make each pair of fractions equivalent.

1.  $\frac{3}{4} = \frac{\quad}{16}$

2.  $\frac{5}{6} = \frac{\quad}{30}$

3.  $\frac{3}{8} = \frac{\quad}{32}$

4.  $\frac{1}{3} = \frac{3}{\quad}$

5.  $\frac{5}{12} = \frac{25}{\quad}$

6.  $\frac{1}{5} = \frac{5}{\quad}$

Write <, >, or = to make each statement true.

7.  $3 \bigcirc \frac{6}{5}$

8.  $\frac{7}{9} \bigcirc \frac{5}{18}$

9.  $\frac{3}{4} \bigcirc \frac{2}{3}$

10.  $\frac{1}{2} \bigcirc \frac{1}{3}$

11.  $\frac{12}{24} \bigcirc \frac{1}{2}$

12.  $\frac{7}{8} \bigcirc \frac{7}{16}$

List the common factors of the numerator and denominator of each fraction. Then, write the GCF. Divide the numerator and denominator by the GCF and write each fraction in simplest form.

	Fraction	Common Factors	GCF	Simplest Form
13.	$\frac{12}{24}$			
14.	$\frac{21}{28}$			
15.	$\frac{16}{32}$			
16.	$\frac{45}{54}$			

Write each improper fraction as a mixed number.

17.  $\frac{25}{15} =$

18.  $\frac{43}{16} =$

19.  $\frac{64}{10} =$

20.  $\frac{30}{14} =$

21.  $\frac{32}{9} =$

22.  $\frac{10}{8} =$

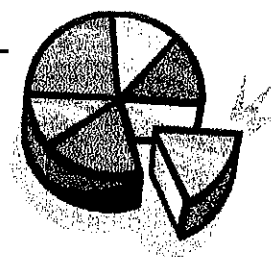
23.  $\frac{12}{7} =$

24.  $\frac{16}{12} =$

25.  $\frac{14}{3} =$

Name: \_\_\_\_\_

## Simplifying Fractions



Simplify each fraction.

a.  $\frac{2}{8} =$

b.  $\frac{4}{10} =$

c.  $\frac{3}{6} =$

d.  $\frac{4}{12} =$

e.  $\frac{7}{14} =$

f.  $\frac{2}{20} =$

g.  $\frac{3}{9} =$

h.  $\frac{6}{9} =$

i.  $\frac{8}{10} =$

j.  $\frac{5}{15} =$

k.  $\frac{8}{72} =$

l.  $\frac{5}{20} =$

m.  $\frac{4}{6} =$

n.  $\frac{21}{28} =$

o.  $\frac{4}{18} =$

p.  $\frac{33}{55} =$

q. What is  $\frac{3}{18}$  written in simplest form? Explain how you found your answer.

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# Science Homework

## Study Vocabulary (on reverse side)

Science Vocabulary Quiz will be on Friday, November 14<sup>th</sup>. Please detach vocabulary page and keep, study and prepare for quiz.

This list is also found on Quizlet. Please study daily!!  
These words are difficult!

**[http://quizlet.com/\\_w191s](http://quizlet.com/_w191s)**

1. <b>Absorb (absorption)</b>	To take in and hold inside	23. <b>Radiation</b>	The movement of thermal (heat) energy by electromagnetic waves, such as light waves from the sun
2. <b>Conduction</b>	The direct transfer of heat between objects that touch	24. <b>reflect (reflection)</b>	When light rays bounce off an object
3. <b>Conductor</b>	A material that allows energy to flow through it easily	25. <b>Refract (refraction)</b>	When light rays bend
4. <b>Convection</b>	Heat moving from one object to another caused by mixing a liquid or gas	26. <b>Simple Machine</b>	A device with few or no moving parts that changes the size or direction of a force
5. <b>Diagram</b>	A plan, sketch, drawing, or outline made to show how something works or to show the way parts are put together	27. <b>Solar Energy</b>	Energy from sunlight
6. <b>Electric Current</b>	A closed path where electricity can flow	28. <b>Sound Energy</b>	A change in matter by vibrating objects
7. <b>Electricity</b>	Energy that flows through a circuit and can create light, heat, magnetism, sound, or other effects.	29. <b>Thermal Energy</b>	Heat energy caused by the movement of molecules in a object
8. <b>Electromagnetic</b>	A temporary magnet created when the electricity passes through wire wrapped around an iron bar	30. <b>Vibrate</b>	To move back and forth
9. <b>Energy</b>	The ability to make a change in matter	31. <b>Volume</b>	The loudness or amount of a sound
10. <b>Force</b>	A push or a pull that causes an object to move, stop, or change direction		
11. <b>Fossil Fuels</b>	Materials formed from decayed remains of ancient plants and animals that are burned to produce heat; coal, oil, and natural gas		
12. <b>Friction</b>	A force that resists motion when objects rub against each other		
13. <b>Gravity</b>	The force that pulls all things in the universe toward each other; the force that pulls things down on Earth		
14. <b>Insulator</b>	A material that DOES NOT ALLOW energy to flow through it easily		
15. <b>Interaction</b>	the effect that objects, organisms, or substances have when they connect with each other		
16. <b>Kinetic Energy</b>	Energy of a material in motion		
17. <b>Light energy</b>	A form of energy that travels in waves and can be seen with our eyes		
18. <b>Magnetism</b>	A force that pulls iron or steel across a distance; a force that attracts or repels magnetic material		
19. <b>Mechanical Energy</b>	Energy of motion		
20. <b>Motion</b>	A change in the position of an object		
21. <b>Pitch</b>	How high or low a sound is		
22. <b>Potential Energy</b>	Energy that is stored in a material because of its position or condition		