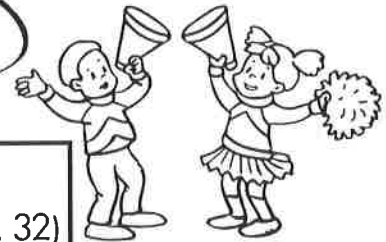


Name: \_\_\_\_\_

Date: \_\_\_\_\_

Finding the **greatest common factor** for both numbers can be easy!

Simplify those fractions!



$\frac{8}{32}$  List all the factors that equal the numerator! (1, 2, 4, **8**)  
 List all the factors that equal the denominator! (1, 2, 4, **8**, 32)

Now, circle the greatest common factor!

Write down the common factors for the numerators and denominators below.  
 Circle the **greatest common factor** for each fraction.

A.	$\frac{6}{18}$	$\frac{6}{24}$	$\frac{9}{36}$
	_____	_____	_____
	_____	_____	_____
B.	$\frac{9}{81}$	$\frac{8}{48}$	$\frac{12}{36}$
	_____	_____	_____
	_____	_____	_____

Example:  $\frac{3}{6} \div \frac{3}{3} = \frac{1}{2}$  1<sup>st</sup> – Find the **greatest common factor** of the numerator and denominator.  
 2<sup>nd</sup> – Divide both the numerator and denominator by that number.

Congratulations! You've just simplified that fraction!

Simplify the fractions.

C.	$\frac{4}{12} =$ _____	$\frac{5}{25} =$ _____	$\frac{7}{28} =$ _____	$\frac{6}{48} =$ _____	$\frac{8}{72} =$ _____
D.	$\frac{12}{24} =$ _____	$\frac{14}{21} =$ _____	$\frac{4}{32} =$ _____	$\frac{7}{63} =$ _____	$\frac{9}{36} =$ _____
E.	$\frac{3}{18} =$ _____	$\frac{9}{27} =$ _____	$\frac{6}{12} =$ _____	$\frac{12}{48} =$ _____	$\frac{9}{12} =$ _____
F.	$\frac{5}{20} =$ _____	$\frac{8}{16} =$ _____	$\frac{7}{21} =$ _____	$\frac{16}{48} =$ _____	$\frac{12}{18} =$ _____