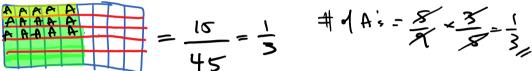
Name:		Date:	
	Section 3.4 Multiply	ing Rational Numbers	
1. Multiply the follow	ving. Keep your answers as a	fraction in simplest form. No	calculators:
a) $\frac{2}{8} \times \frac{18}{18} = \frac{1}{9} = \frac{1}{3}$	b) $\frac{4}{7} \times \frac{14^{2}}{24} = \frac{2}{6} = \frac{1}{3}$	c) $\frac{12}{28}$ $\frac{42}{15}$	d) 12 25 5
		$=\frac{2}{2}\times\frac{3}{5}=\frac{6}{5}$	= 10,
e) $\frac{27}{8} \times \frac{24}{81}$ 3	f) 25 36 4 27 45	g) 54×18×64° 7×10×81°	h) $\frac{8}{21} \times \frac{18}{36} \times \frac{24}{27}$
= \frac{3}{3} = (	$=\frac{5\times 4}{3\times 9}$ $=\frac{29}{24}$	6x 18x8 4 = 6x2x4 7x 16x 9 = 7x5 x1 = 48 35/1	$\frac{\cancel{8} \times \cancel{9} \times \cancel{8}}{7 \times \cancel{18}\cancel{7} \times \cancel{17}}$ $=\frac{32}{189}$
i) $1.25 \times 0.375$ $\frac{5}{8} \times \frac{3}{32} = \frac{15}{3}$	$j) 1\frac{11}{16} \times 0.888$	k) $1\frac{3}{7} \times 0.777$ $\frac{10}{7} \times \frac{4}{9} = \frac{10}{9}$	L) 0.64×0.25
m) $0.25 \times -0.60$ $\frac{1}{1} \times \left( \frac{-1}{15} \right)^{3}$ $= -\frac{3}{20}$	n) $-0.8\overline{333} \times 1.5$ $-\frac{5}{26} \times \frac{2}{2}$ $= -\frac{5}{4} = 1.25$	o) $1.\overline{333} \times 0.875$ $3 \times \frac{7}{8} = \frac{7}{6}$	p) 1.25×-3.2   \frac{1}{4} x - 3 \frac{1}{4} \tag{-1.4} = -4,
q)3.2× $\left(0.1\overline{666}\right)$ × $\left(2.5\right)$ 3 $\frac{1}{5}$ × $\frac{1}{6}$ × $\frac{5}{2}$	r) $\frac{8}{15} \times \frac{27}{20} \times \frac{-15}{18}$	s) 1.23×2.8×1.2  123  123  125  100  100	t) 0.026×4×5.2
8 16 × 1 × 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\frac{2\times 2}{5}$ $\frac{2\times -3}{5\times 2} = \frac{-3}{5}$	= 2199 = 1520 = 153 × ± × 4	586 x 12 - 76x2x 13

Copyright All Rights Reserved at Homework Depot www.BCMath.ca

2. Determine the missing number in the box so that the expression will be true:

a) $\frac{3}{4} \times \boxed{} = \frac{5}{8}$	b) 2.40× =1.333	c) 1.875× = 4.5
$\frac{3}{4} \times \left(\frac{1}{3} \times \frac{1}{4}\right) = \frac{5}{8}$	$\frac{24}{10} \times \left[\frac{10}{24} \times \frac{4}{3}\right] = \frac{4}{3}$	
3 X 5 = 5 8	7= 43 34	K.X. Z
d) $-3.25 \times \boxed{ = 15 \frac{11}{40} }$	e) $-0.045 \times 4 = 0.18$ ? = 6.18 ÷ (-0.045)	f) 6.75× = 5.25
$=\frac{611}{40}\div\frac{-130}{40}$	$= \frac{100}{100} \cdot \frac{100}{100}$	7= 54 = 64
$=\frac{611}{130}=47$	= 12 x 1400 = -4/	च च च च च च च च च च च च च च च च च च च

3. 5/9 of the students are passing in Science class and 3/5 of these students are getting A's. What fractions of all students are getting A's?



4. A plant grew  $2\frac{5}{8}$  of an inch every day. How many inches will it grow in  $12\frac{1}{3}$  days?

Grawm = 
$$2\frac{1}{8} \times 12\frac{1}{3}$$
  
=  $7\frac{1}{8} \times 3\frac{1}{8} = 7\frac{1}{8} \times 37 = 259$  inch in 3.75h if he maintained the

- same speed?
- 6. Challenge: Sharon has some money in her pocket. Her friend Wendy has  $1\frac{1}{2}$  times as much as Sharon. Another friend Chelsea has  $1\frac{2}{3}$  times as much money as Wendy. Altogether they have \$200. How much money does Sharon have?

CHEVREA= 15x6.TT