Name: Ashley Irwin &

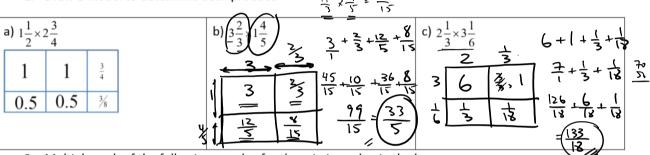
Date: November 3, 2016

## Math 8 HW Section 2.3 Multiplying Mixed Fractions

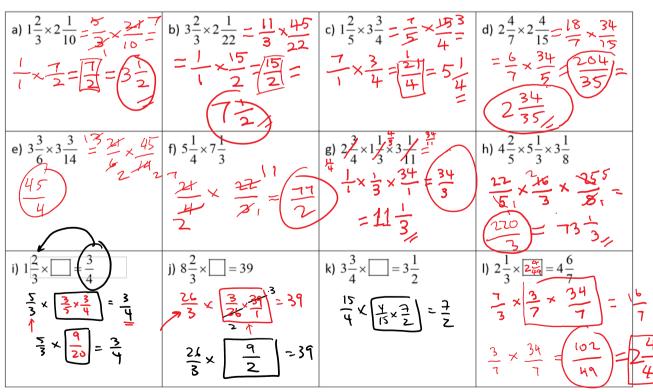
1. Convert each of the following to improper fractions

a) $2\frac{1}{4}$	9 4	b) $3\frac{3}{5} = \frac{19}{5}$	c) $6\frac{5}{7}$	d) $-3\frac{1}{6}$	e) $4\frac{7}{8}$ $\frac{39}{8}$	f) $7\frac{3}{5}$ $\frac{36}{5}$	
g) $-4\frac{3}{11}$	-47	h) $-3\frac{6}{13}$ $-45$	i) $3\frac{2}{20}$ (2	$i) \ 3\frac{8}{16}  \frac{56}{(6)}$	k) $3\frac{8}{12}$ 44	L) $-3\frac{4}{15}$ $-4^{\circ}$	:

2. Draw a model to determine each product:

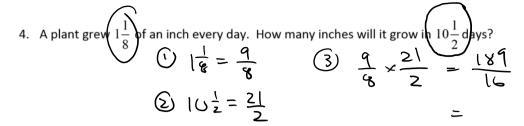


3. Multiply each of the following or solve for the missing value in the box:

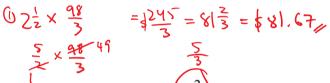


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Marked by: I win and Ashley are the best!

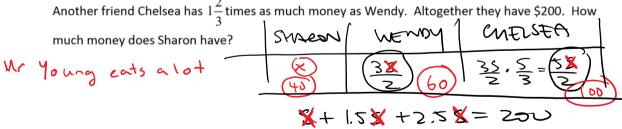


- 5. David ran  $2\frac{1}{3}$  laps around a track in 1 hour. How many laps can he run in 3.75h if he maintained the 0 23 = = same speed?
  - $3 = \frac{35}{4} = 8\frac{3}{4}$ (2) 33 = 15
- 6. Mark makes  $(\$20\frac{3}{4})$  an hour at his job. He works  $8\frac{1}{3}$  hours every day. If Mark can only save  $\frac{3}{4}$  of the money he makes, how many days will he need to save \$2000?
- $0 20 \frac{3}{4} \times 8 \frac{1}{3} \times \frac{3}{4} = 83 \times 25$ 1)  $20\frac{3}{4} \times 8\frac{1}{3} \times \frac{3}{4} = \frac{83 \times 25}{16}$  2)  $\frac{2080}{129.6875} = 11.78 \text{ days}$ 7. Jason needs  $2\frac{1}{2}$  tanks of gas to drive from Vancouver to Portland. Each tank of gas will cost him  $$\frac{98}{3}$$ .
- How much will it cost him to drive from Vancouver to Portland?



8. The length of a box is increased by  $1\frac{2}{5}$  times its original length and the width is increased by  $2\frac{1}{5}$  times its original width. If the original area of the box is 300m<sup>2</sup>, then what is the area of the new box?





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