Name: _____ Date: _____ **HW # 0: Fractions Practice**

(1) Sandy is cutting bows out of ribbon which will be used to wrap gifts. If Sandy needs $\frac{11}{6}$ feet of ribbon to make a bow, and she has 22 feet of ribbon, then how many bows can Sandy make?

$22 \div \frac{11}{6} \Rightarrow 22 \cdot \frac{6}{11} \Rightarrow \frac{132}{11} \Rightarrow 12$

She can make 12 bows.

(2) Natasha spent $1\frac{1}{2}$ hours on the beach. She fell asleep for $\frac{3}{4}$ of the time she was on the beach and then woke up with a terrible sunburn.

its a multiply* problem

How many hours was Natasha asleep on the beach?

$1\frac{1}{2}$ is $\frac{3}{2}$ $\quad \frac{3}{2} \cdot \frac{3}{4} \Rightarrow \frac{9}{8}$

$\frac{9}{8}$ is 1 full hour & $\frac{1}{8}$ of 1 hour

$\frac{1}{8} \cdot 60 = 7.5$ min

She was asleep $\frac{9}{8}$ hours or approximately 1 hour & 8 min.

(3) John made 15 pints of hot chocolate for his friends. If each of John's mugs holds $\frac{5}{4}$ pints of liquid, then how many friends will get hot chocolate?

$15 \div \frac{5}{4}$

$15 \cdot \frac{4}{5} \Rightarrow \frac{60}{5} \Rightarrow 12$

12 friends will get hot chocolate

(4) Vera is using her phone. Its battery life is down to $\frac{2}{5}$, and it drains another $\frac{1}{9}$ every hour.

How many hours will her battery last?

$\frac{2}{5} \div \frac{1}{9}$

$\frac{2}{5} \cdot \frac{9}{1} \Rightarrow \frac{18}{5}$

It will last $\frac{18}{5}$ hours or 3 hours & 36 minutes

$\frac{18}{5}$ is 3 full hours & $\frac{3}{5}$ of an hr. $\frac{3}{5} \cdot 60 = 36$