1. $\boxed{\$456}$
2. $\boxed{27}$
3. $\boxed{1.2 \text{ kg}}$
4. $\boxed{24}$
5. The speed and the time are INVERSELY proportional. So our equation is $\text{speed}_1 \times \text{time}_1 = \text{speed}_2 \times \text{time}_2$. So our equation becomes: $50 \times 18 = x \times 15 \quad \Rightarrow \quad x = \frac{50 \times 18}{15} = \boxed{60 \text{ km/h}}$
6. If 7 cleaners can clean in 8 hours, in order to get it done in half the time, we need twice the workers. The question asks "how many MORE cleaners," so we need $\boxed{7}$ more cleaners.
7. The farmer wants the food to last $\frac{3}{2}$ as long as it is already, so he needs to keep $\frac{2}{3}$ of the sheep. So he will keep $\frac{2}{3} \times 90 = 60$ sheep, meaning he will sell $\boxed{30}$.
8. The scale 1 : 40000 means that every 1 unit represents 40,000 real units. So if the map measures 1.4 cm by 0.35 cm, then the real dimensions of the lagoon as $\times 40000$. So the real length is $1.4 \times 40000 = 56000$ cm, and the width is $.35 \times 40000 = 14000$ cm. There are 100 cm in every m, so 56000cm = 560 m, and 14000 cm = 140 m. $\boxed{560 \text{ m by } 140 \text{ m}}$
9. Since $\frac{3}{4}$ of the men are present, it will take $\frac{4}{3}$ the time. So it will take $8 \times \frac{4}{3} = 10\frac{2}{3}$ hours. The question asks "how much MORE time," so we find that it will take $10\frac{2}{3} - 8 = 2\frac{2}{3}$ hours more to put up the fence. $\boxed{2 \text{ hrs and } 40 \text{ min -OR- } 200 \text{ min}}$
10. $\boxed{15}$