

Solve each word problem below. Simplify your result, if necessary.

1. A bucket contains 3 and  $\frac{1}{12}$  gallons of water. If Sarah Jane adds 4 and  $\frac{5}{12}$  gallons more, how many gallons are there in all?

$$7\frac{1}{2} \text{ gal}$$

2. Planet Cyber is 5 and  $\frac{1}{3}$  light-years away from Earth. Planet Fiber is 2 and  $\frac{2}{3}$  light-years away from Earth. How much farther away from Earth is Planet Cyber than Planet Fiber?

$$2\frac{2}{3} \text{ light-years}$$

3. Tyesha and Frank own neighboring cornfields. Tyesha harvested 4 and  $\frac{3}{10}$  acres of corn and Frank harvested 2 and  $\frac{1}{10}$  acres. How many more acres did Tyesha harvest than Frank?

$$2\frac{1}{5} \text{ acres}$$

4. A contractor used 6 and  $\frac{3}{10}$  tons of cement to pave Joe's street and 8 and  $\frac{1}{10}$  tons of cement to pave Natasha's street. How much cement did the contractor use altogether?

$$14\frac{2}{5} \text{ tons}$$

5. Renee found two pieces of wood in her shed. The first piece was 3 and  $\frac{7}{8}$  feet long and the second was 2 and  $\frac{5}{8}$  feet long. How much longer was the first piece of wood than the second?

$$1\frac{1}{4} \text{ ft}$$

6. Derek jogged for 4 and  $\frac{5}{12}$  miles on Thursday and for 2 and  $\frac{5}{12}$  miles on Friday. How far did Derek jog in all?  $6\frac{5}{6}$  mi

7. Last year, Nathan grew 3 and  $\frac{2}{3}$  inches and his brother grew 1 and  $\frac{1}{3}$  inches. How much more did Nathan grow than his brother?

$$2\frac{1}{3} \text{ in}$$

8. At a canteen, Justin and his friends drank 9 and  $\frac{5}{6}$  liters of caffeinated soda. Lorrie and her friends drank 6 and  $\frac{1}{6}$  liters of decaffeinated soda. How many liters of soda did they drink in all? **16 L**

9. It took Larissa 2 and  $\frac{1}{4}$  hours to complete her math homework and 1 and  $\frac{3}{4}$  hours to complete her science homework. How much more time did she spend on her math homework?

$$\frac{1}{2} \text{ hr}$$

10. A vendor had 11 and  $\frac{5}{6}$  pitchers of lemonade, of which she sold 10 and  $\frac{1}{6}$  pitchers. How many pitchers remained unsold?

$$1\frac{2}{3} \text{ pitchers}$$