

CUMULATIVE REVIEW

Read the problems carefully and solve.

1. Reduce.

a.) $\frac{18}{5}$

b.) $\frac{24}{10}$

2. Change to an improper fraction.

a.) $4\frac{7}{8}$

b.) $9\frac{2}{5}$

3. Compute.

a.) $\frac{5}{8} + \frac{7}{8}$

b.) $9\frac{2}{3} + 4\frac{7}{9}$

c.) $18 - 4\frac{5}{6}$

d.) $9\frac{1}{4} - 7\frac{5}{6}$

e.) $10 \times 6\frac{1}{2}$

f.) $3\frac{1}{3} \times 4\frac{3}{4}$

g.) $12 \div 1\frac{2}{3}$

h.) $3\frac{4}{5} \div 2\frac{1}{10}$

4. Cosmo bought a power saw that was on sale for $\frac{1}{3}$ off the listed price of \$129. How much did Cosmo save?

5. Emmitt's fix-it shop sells used alarm clocks. Although they usually cost \$18, today Emmitt has taken $\frac{2}{3}$ off the regular price. How much is discounted by buying an alarm clock today?

6. A bell rings every $\frac{1}{6}$ hour. Assuming it just rang, how many times will it ring in the next $\frac{2}{3}$ hour?
7. Each bag of apples weighs $4\frac{1}{2}$ pounds. How much would $3\frac{1}{2}$ bags of apples weigh?
8. The carpenter stacked 15 sheets of wall board on top of each other. If each sheet is $\frac{5}{8}$ inch thick, how high is the stack?
9. A machine uses gasoline at a rate of $\frac{1}{5}$ gallon an hour. So far $\frac{9}{10}$ of a gallon has been used. How many hours has the machine operated?
10. The circle graph shows the budget for the Taylor family. If the Taylor's monthly income is \$3,860, how much of their money goes for food?



11. Barry used $\frac{1}{4}$ of a pound of hamburger meat to make a patty for a barbecue. He needs 54 hamburgers. How many pounds of hamburger meat will he need?

12. The price after Thursday's trading was $29 \frac{5}{8}$ dollars. The price after Friday's trading was $26 \frac{1}{2}$ dollars. How much did the stock go down on Friday?
13. How many $2 \frac{1}{2}$ inch length of ribbon can be cut from 45 inches of ribbon?
14. How many adults bought movie tickets if $\frac{3}{5}$ of the 2,750 tickets sold were purchased by adults?
15. Helen practiced the guitar $\frac{3}{4}$ hour in the morning, $\frac{3}{4}$ hour in the afternoon, and $1 \frac{1}{2}$ hours in the evening. How long did Helen practice the guitar?
16. Sam spent $11 \frac{3}{4}$ hours over 3 days to paint his bedroom. He spent $3 \frac{1}{4}$ hours the first day and $3 \frac{2}{3}$ hours the second day. How many hours did he spend on the third day to finish painting his bedroom?

17. Twenty-four pupils are in Mr. Robert's class. Suppose $\frac{2}{3}$ of his class are girls. How many of his pupils are girls? How many are boys?
18. An iron bar $468\frac{3}{4}$ inches long is to be cut into $6\frac{1}{4}$ inch sections. How many sections of this length will there be?
19. Mark practiced the piano for $\frac{3}{4}$ hour on Wednesday, $\frac{1}{2}$ hour on Thursday, and $2\frac{1}{3}$ hours on Friday. How many hours did he practice in all?
20. Shirley read for $\frac{3}{5}$ hour in the morning and $\frac{1}{2}$ hour in the afternoon. How much longer did she read in the morning than in the afternoon?