

Proportions Day 1

Date _____ Period _____

Solve each proportion.

1) $\frac{5}{7} = \frac{3}{n}$

2) $\frac{2}{5} = \frac{b}{8}$

3) $\frac{5}{6} = \frac{4}{n}$

4) $\frac{8}{5} = \frac{5}{n}$

5) $\frac{9}{x} = \frac{4}{8}$

6) $\frac{p}{7} = \frac{3}{4}$

7) $\frac{10}{9} = \frac{x}{3}$

8) $\frac{8}{x} = \frac{4}{3}$

9) $\frac{6}{7} = \frac{v}{4}$

10) $\frac{n}{8} = \frac{2}{3}$

11) $\frac{10}{x-2} = \frac{4}{10}$

12) $\frac{10}{4} = \frac{a+2}{2}$

$$13) \frac{6}{4} = \frac{r+2}{7}$$

$$14) \frac{7}{6} = \frac{x+6}{5}$$

$$15) \frac{10}{7} = \frac{b+4}{10}$$

$$16) \frac{v+10}{6} = \frac{6}{3}$$

$$17) \frac{k-1}{7} = \frac{3}{10}$$

$$18) \frac{x-3}{4} = \frac{8x}{8}$$

$$19) \frac{b}{2} = \frac{b+6}{7}$$

$$20) \frac{m+7}{m} = \frac{7}{2}$$

$$21) \frac{3}{8} = \frac{n-9}{n}$$

$$22) \frac{r-8}{2} = \frac{r}{8}$$

$$23) \frac{8}{x+6} = \frac{3}{x}$$

$$24) \frac{8}{2} = \frac{x+5}{x}$$

Name _____

Solve each problem. Use a proportion.

1. Ben can buy 2 pairs of shoes for \$60. How many pairs of shoes can he buy for \$90?
2. James was given \$5 for 2 hours of babysitting. How many hours must he babysit in order to earn \$7.50?
3. Walter types term papers for \$1.25 per page. How many pages must he type in order to earn \$13.75?
4. Giles saves \$6 out of every \$20 he earns. He earned \$70 one month. How much did he save?
5. Ms. Rich drove 200 miles in 4 hours. How long will it take her to drive 300 miles?
6. Cynthia bought 5 donuts for .75 cents. How many donuts can she buy for \$1.65?
7. A close-out sale features ties at \$3.98 each, 6 for \$19.99, and \$44.99 a dozen. Which is the best buy?
8. Marge used 2 skeins of yarn to make a scarf. How many skeins of yarn will she need to make 3 scarves?
9. It takes 3 yards of cloth to make 2 skirts. How many meters of cloth are needed to make 3 skirts?
10. Arlene made \$6.50 for 2 hours of cutting grass. How much did she earn for 3 hours of grass cutting?
11. It cost Bernie \$2.52 to bake 6 loaves of bread. How much did it cost him to bake 8 loaves?
12. Akiko drove 400 miles in 6 hours. How far can she drive in 9 hours?
13. A Chinese restaurant charges \$2.70 for 6 egg rolls. How much should they charge for 7 egg rolls?
14. A supermarket sells apples at \$1.56 a dozen and oranges at \$1.44 a dozen. What is the total cost of 3 apples and 7 oranges?

