

Solve Proportions

Use Cross Products to solve the proportions

Name: _____

Class: _____ Date: _____

$$1) \frac{6}{9} = \frac{n}{3}$$

$$2) \frac{2}{6} = \frac{7}{x}$$

$$3) \frac{12}{v} = \frac{2}{3}$$

$$4) \frac{4}{b} = \frac{2}{11}$$

$$5) \frac{x}{4} = \frac{3}{2}$$

$$6) \frac{3}{5} = \frac{n}{10}$$

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

$$8) \frac{2}{7} = \frac{k}{14}$$

$$9) \frac{p}{5} = \frac{8}{10}$$

$$10) \frac{4}{5} = \frac{x}{10}$$

$$11) \frac{m}{4} = \frac{7}{2}$$

$$12) \frac{8}{n} = \frac{2}{4}$$

$$13) \frac{5}{2} = \frac{x}{6}$$

$$14) \frac{5}{n} = \frac{1}{5}$$

$$15) \frac{5}{10} = \frac{5}{b}$$

$$16) \frac{2}{7} = \frac{4}{X}$$

$$17) \frac{x}{3} = \frac{12}{4}$$

$$18) \frac{9}{5n} = \frac{3}{5}$$

$$19) \frac{3}{4} = \frac{12}{X}$$

$$20) \frac{2}{9} = \frac{6}{a}$$

1. Java book comprises of two section core and advanced java in the ratio 7:2. How much of each type of content will be needed to make a book of 450 pages?
2. 30 girls and boys are planned for a picnic. There are in a ratio of 3 girls to 7 boys. How many boys are there?
3. 12 miles is approximately equal to 6 km. How many km are equal to 18 miles? How many miles are equal to 42 km?
4. 5 pizzas cost \$60. What will 9 pizzas cost?
5. 6 stuffed peppers cost \$36. What will 12 stuffed peppers cost?
6. Mr. Jeff divided his money in the ratio 4:2 between Jon and Jack. Jon got smaller amount of 1256 \$. How much did Jack receive?
7. $3:4 = 15:20$? True OR False?
8. $2:5$ and $30:20$ are in equal ratios? True OR False?
9. $3:4 = 6:8$? True OR False?
10. 10 glasses cost 40 dollars. How much do 20 glasses cost?