

1) $15 \times 5 =$ _____

2) $15 \times 13 =$ _____

3) $15 \times 180 =$ _____

4) $15\% \text{ of } 240 =$ _____

5) $15\% \text{ of } 62 =$ _____

6) $120 \div 25 =$ _____

7) $4000 \div 25 =$ _____

8) $9^2 =$ _____

9) $5^2 =$ _____

10) $95^2 =$ _____

11) $287 \div 100 =$ _____

12) $1300 \div 5 =$ _____

13) Olivia has \$450 and Tara has \$360.

a) What is the ratio of Tara's money to Olivia's money?

b) Simplify this ratio (Make the numbers smaller but keep the relationship between them the same.)

14) Write the reciprocal of these ratios:

a) $54:32$ is _____:b) $41:999$ is _____:c) $87:22$ is _____:15) Write the reciprocal of these: (e.g reciprocal of $\frac{1}{2}$ is $\frac{2}{1}$)a) $\frac{3}{4}$ is _____b) $\frac{1}{9}$ is _____c) $\frac{5}{3}$ is _____

d) 3 is _____

16) Now you are going to work out the reciprocal of some decimal fractions, and express the answer as a decimal too.

Example: What is the reciprocal of 0.3?*.3 is the same as $\frac{3}{10}$* *The reciprocal of $\frac{3}{10}$ is $\frac{10}{3}$* *$\frac{10}{3}$ is another way of saying $10 \div 3$* **When we work this out, we get $3.\bar{3}$**

Try these:

a) 0.4

b) .9

c) .2

Challenge:

d) .7