

MATHEMATICS



Topic: Multiplication and division of decimal fractions..

- ❖ When multiplying decimal fractions, it is useful to decide beforehand how many decimal places the answer will have. You can work this out by adding together the number of decimal places in each of the numbers you are multiplying together. For example:

$4 \times 2 = 8$ No decimal places after a comma

$4 \times 0,2 = 0,8$ One decimal place

$0,4 \times 0,2 = 0,08$ Two decimal places

$0,4 \times 0,02 = 0,008$ Three decimal places

- ❖ When dividing a number by a decimal fraction first multiply both divisor and dividend by ten or 100 to make the divisor a whole number. For example
 $3,22 \div 0,7 = 4,6$ Multiply both divisor and dividend by 10

Exercises

Exercise 14.5

1.
 - 1.1
 - 1.2
 - 1.3
 - 1.4
2.
 - 2.1
 - 2.2
 - 2.3
4. All of it.

Exercise 14.6

2.
 - 2.1
 - 2.2
 - 2.3
 - 2.4
 - 2.5