

SUBJECT : MATHEMATICS
CHAPTER NUMBER: 04
CHAPTER NAME :DECIMAL FRACTIONS

CHANGING YOUR TOMORROW

Learning outcome

Students will be able to

- Add and subtract decimal numbers.
- Solve word problems involving addition and subtraction of decimal numbers.



Which is greater 1 m or 1 yard ?

1m

[Video on addition and subtraction of decimals](https://www.youtube.com/watch?v=JQv4VQZV7Ak)

<https://www.youtube.com/watch?v=JQv4VQZV7Ak> 3 mins

6. Add 13.95 and 1.003, and from the result, subtract the sum of 2.794 and 6.2.

Solution:

We know that addition of 13.95 and 1.003 can be written as

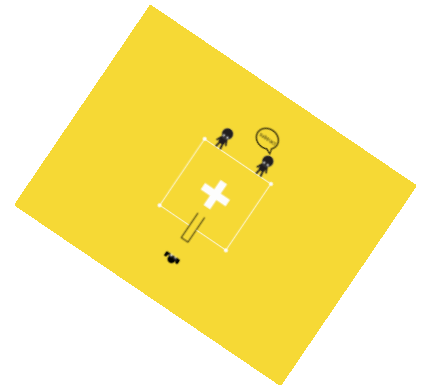
$$13.95 + 1.003 = 14.953$$

Similarly the sum of 2.794 and 6.2 can be written as

$$2.794 + 6.2 = 8.994$$

Here the difference between 14.953 and 8.994

$$14.953 - 8.994 = 5.959$$



9. What is the excess of 584.29 over 213.95?

Solution:

It is given that

Sum of two numbers = 584.29

One number = 213.95

So the other number = $584.29 - 213.95 =$
370.34

11. What is the excess of 75 over 48.29?

Solution:

We know that the excess of 75 over 48.29 can be written as $75 - 48.29$

Hence, the excess of 75 over 48.29 is 26.71

12. If $A = 237.98$ and $B = 83.47$.

Find:

(i) $A - B$

Solution:

(i) $A - B$

It is given that $A = 237.98$ and $B = 83.47$

Substituting the values

$$A - B = 237.98 - 83.47$$



13. The cost of one kg of sugar increases from Rs 28.47 to Rs32.65. Find the increase in cost.

Solution:

Cost of sugar = Rs 28.47

Cost of sugar is raised = Rs.32.65

Increase in the cost of sugar = Rs.32.65 – ₹28.47 = Rs.4.18





Exercise 4 B

Q.No. 6 to 13

AHA

Alok purchased 1 kg 200 g potatoes, 250 g dhania, 5 kg 300 g onion, 500 g palak and 2 kg 600 g tomatoes. Find the total weight of his purchases in kilograms.

THANKING YOU
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