Sunday, 31 May 2020

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Teaching Learning Material

Class – 7th

Subject – Mathematics

Section – All

Subject teacher – Bandana Kumari

Rational Numbers

The word 'rational' arises from the term ratio.

"A rational number is defined as a number expressed

In the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$".

Examples of rational numbers are $\frac{-5}{7}, \frac{4}{7}, \frac{-3}{2}$ etc.

NOTE:- All fractions are rational numbers.

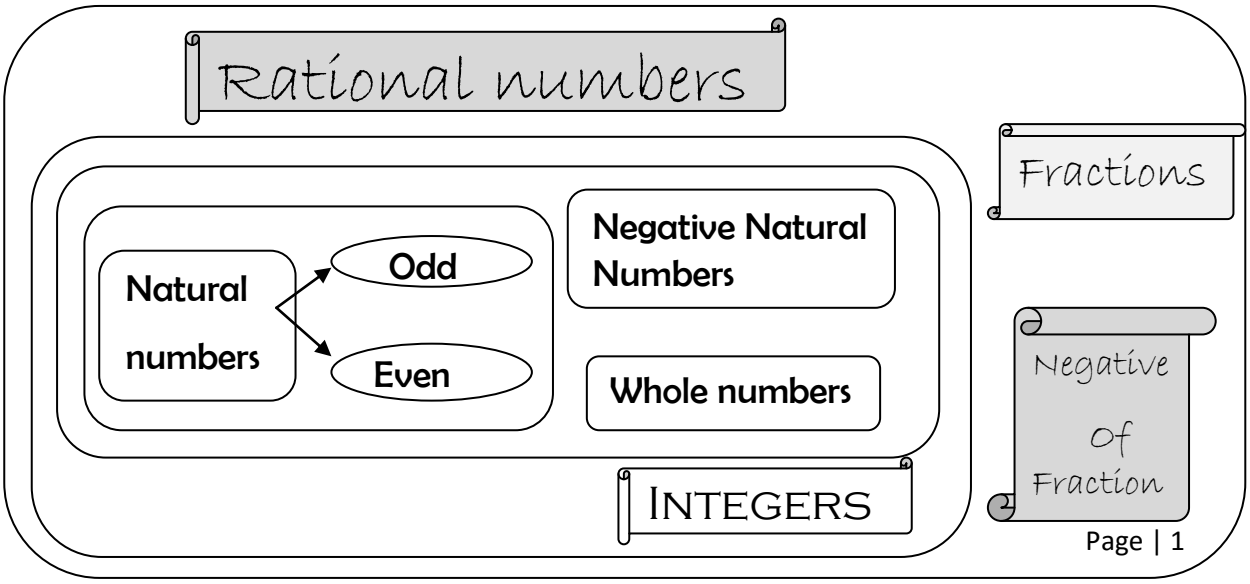
Q. what numbers are included in rational numbers?

Or

What numbers can we say that it is a rational number?

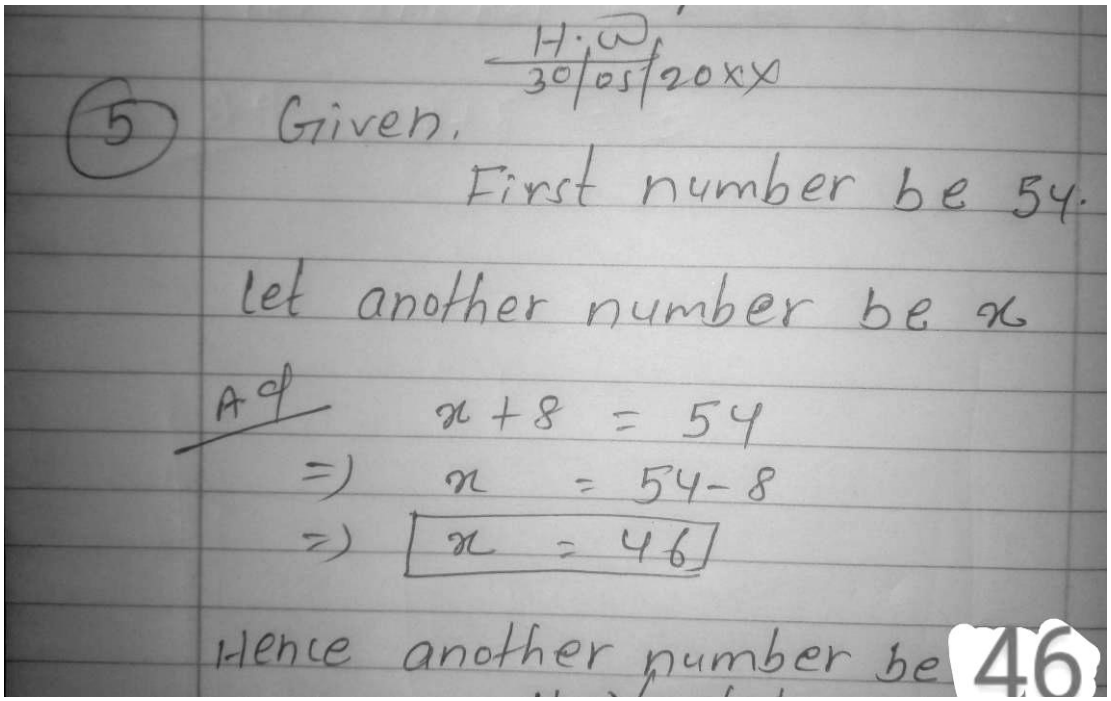
Ans. Let us know about numbers included in rational numbers by a clear diagram.

Let's start :-

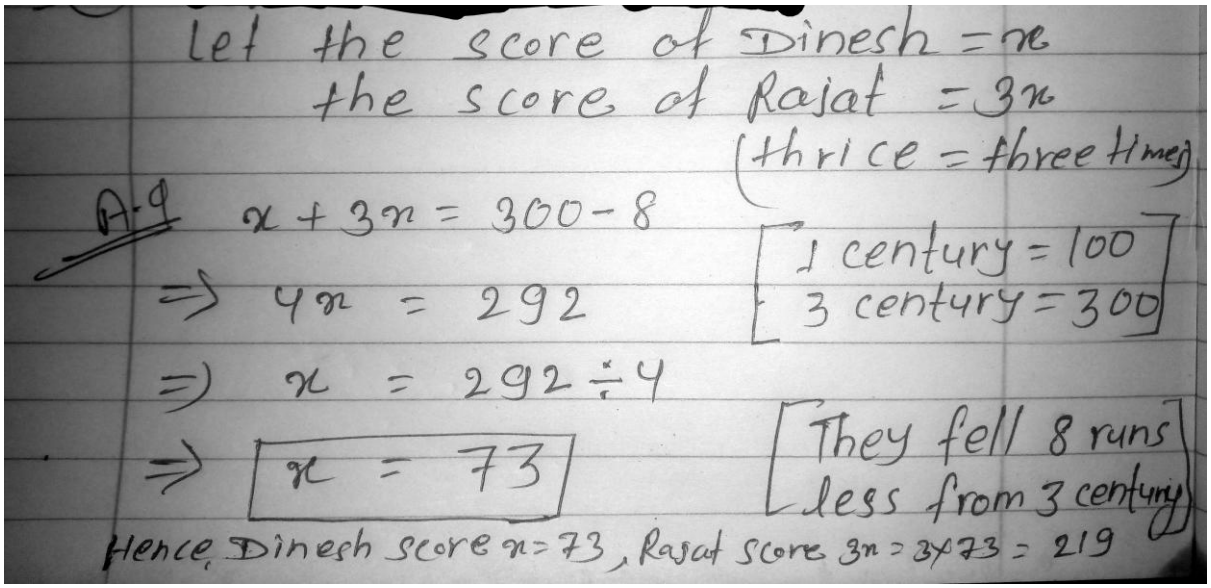


Doubts asked to me by someone from you

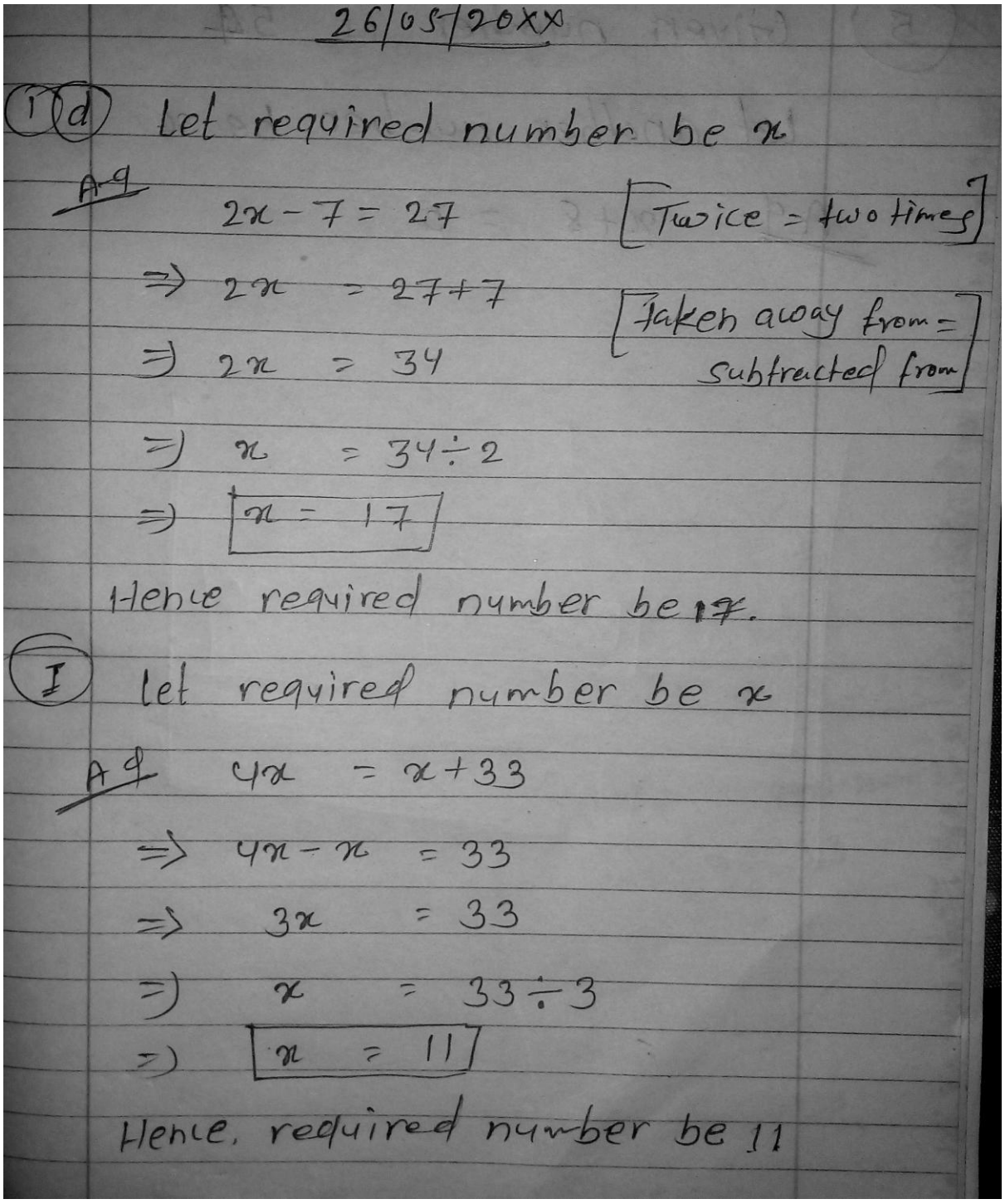
Q.5 (from assignment dated – 30/05/20xx)



Q.1(e) {from assignment dated – 28/05/20xx}



Q.1 (d and i) {from assignment dated – 26/05/20XX}



26/05/20XX

(i)(d) Let required number be x

Ans $2x - 7 = 27$ [Twice = two times]

$\Rightarrow 2x = 27 + 7$ [Taken away from = subtracted from]

$\Rightarrow 2x = 34$

$\Rightarrow x = 34 \div 2$

$\Rightarrow \boxed{x = 17}$

Hence required number be 17.

(I) let required number be x

Ans $4x = x + 33$

$\Rightarrow 4x - x = 33$

$\Rightarrow 3x = 33$

$\Rightarrow x = 33 \div 3$

$\Rightarrow \boxed{x = 11}$

Hence, required number be 11

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