

Input title

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CLASS -7 MATHEMATICS CHAPTER-2 Exercise-2.3

4. Which is greater:

Solution:-

$$= (2/7) \times (3/4)$$
 and $(3/5) \times (5/8)$

$$= (2/7) \times (3/4)$$

$$= (2 \times 3)/(7 \times 4)$$

$$= (1 \times 3)/(7 \times 2)$$

$$= (3/5) \times (5/8)$$

$$= (3 \times 5)/(5 \times 8)$$

$$= (3 \times 1)/(1 \times 8)$$

Now, convert [i] and [ii] into like fractions,



















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Now, convert [i] and [ii] into like fractions,

LCM of 14 and 8 is 56

$$[(3/14) \times (4/4)] = (12/56)$$

$$[(3/8) \times (7/7)] = (21/56)$$

Solution:

$$= (1/2) \times (6/7)$$
 and $(2/3) \times (3/7)$

$$= (1/2) \times (6/7)$$

$$= (1 \times 6)/(2 \times 7)$$

$$= (1 \times 3)/(1 \times 7)$$

$$= (2/3) \times (3/7)$$











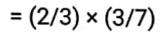








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$$= (2 \times 3)/(3 \times 7)$$

$$= (2 \times 1)/(1 \times 7)$$

By comparing [i] and [ii],

5. Saili plants 4 saplings, in a row, in her garden. The distance between two adjacent saplings is 34 m. Find the distance between the first and the last sapling.

Solution:-

The distance between two adjacent saplings $= \frac{3}{4} \text{ m}$

Number of saplings planted by Saili in a row = 4

Then, number of gap in saplings = $\frac{3}{4} \times 4$



















Number of saplings planted by Saili in a row = 4

Then, number of gap in saplings = $\frac{3}{4} \times 4$

= 3

∴The distance between the first and the last saplings = 3 × ¾

$$= (9/4) \, \mathrm{m}$$

$$= 2 \% m$$

Hence, the distance between the first and the last saplings is 2 ¼ m.

6. Lipika reads a book for 1 ¾ hours every day. She reads the entire book in 6 days. How many hours in all were required by her to read the book?

Solution:-

Lipika reads the book for = $1 \frac{34}{4}$ hours every day = 7/4 hours

Number of days she took to read the entire





















Lipika reads the book for = 1 34 hours every day = 7/4 hours

Number of days she took to read the entire book = 6 days

∴Total number of hours required by her to complete the book = (7/4) × 6

$$= (7/2) \times 3$$

$$= 21/2$$

= 10 1/2 hours

Hence, the total number of hours required by her to complete the book is 10 ½ hours.

7. A car runs 16 km using 1 litre of petrol. How much distance will it cover using 2 ¾ litres of petrol.

Solution

The total number of distance travelled by a car in 1 liter of petrol = 16 km

Then,





















her to complete the book is 10 ½ hours.

7. A car runs 16 km using 1 litre of petrol. How much distance will it cover using 2 ¾ litres of petrol.

Solution

The total number of distance travelled by a car in 1 liter of petrol = 16 km

Then,

Total quantity of petrol = 2 ¾ liter = 11/4 liters

Total number of distance travelled by car in 11/4 liters of petrol = $(11/4) \times 16$

$$= 11 \times 4$$

= 44 km

∴Total number of distance travelled by car in 11/4 liters of petrol is 44 km.

















