

Revision of fractions -

P.no. - 144

- yesterday -
1. type of fractions
 2. multiplication of fractions
 3. Reducing to lowest form.

Value -

1. Condition -

$$= \frac{3}{4} \times \frac{4}{5} = < 1$$

$$2. \quad \frac{4}{3}, \frac{5}{4} = \frac{20}{12} > 1$$
$$1 \frac{8}{12}$$

$$3. \quad \frac{3}{4} \times \frac{5}{4} = \frac{15}{16}$$

$$\frac{12}{16} < \frac{15}{16}, \quad \frac{15}{16} < \frac{20}{16}$$

Example -

$$4\frac{2}{3} \times 5\frac{1}{4} \quad \boxed{>} \quad 4\frac{2}{3}$$

$$\frac{14}{3} \times \frac{21}{4}$$

Let's try $\rightarrow$

Answers -

(i) $\boxed{<}$

(ii) $<$

(iii) $>$

(iv) $>$

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$$\frac{1}{2} = \frac{2}{1}$$

$$(1) \frac{1}{2} \div \frac{3}{4} = \frac{1}{2} \times \frac{4}{3} = \frac{4}{6} = \frac{2}{3}$$

$$(2) \frac{1}{2} \div 4 = \frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$$

P. no. - 148 $\rightarrow$ info shot - *very important*

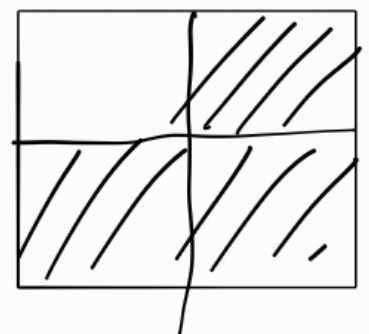
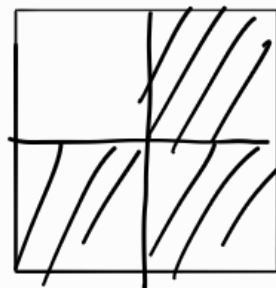
$$\frac{2}{3} = \frac{3}{2} 1 \frac{1}{2}$$

Proper $\rightarrow$ improper.

Time limit $\rightarrow$ 10 minutes

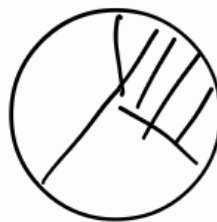
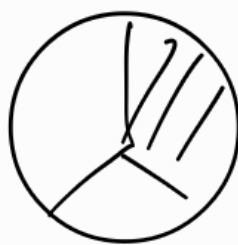
$$2 \times \frac{3}{4} = \frac{6}{4} = 1 \frac{2}{4}$$

$$= \left(\frac{2}{1} \right) \times \left(\frac{3}{4} \right)$$



$$= 7 \times \frac{2}{3} = \left(\frac{2}{3} \right) \times 7$$

$$4 \times \frac{1}{3} =$$



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1.

$$4. (i) \frac{7}{12} \times \frac{1}{98} = \frac{1}{168}$$

$$(ii) \frac{3}{4} \times \frac{1}{16} = \frac{3}{64}$$

$$(iii) \frac{14}{5} \times \frac{1}{7} = \frac{2}{5}$$

$$(iv) \frac{14}{3} \times \frac{1}{3} = \frac{14}{9} = 1 \frac{5}{9}$$

$$5. (i) \frac{12}{5} \times \frac{5}{4} = 3$$

$$(ii) \frac{11}{9} \times \frac{7}{3} = \frac{77}{27} = 2 \frac{23}{27}$$

$$(iii) \quad \frac{3}{8} \times \frac{11}{26} = \frac{33}{208}$$

$$(iv) \quad \frac{15}{4} \times \frac{3}{22} = \frac{45}{88}$$

6.

$$x \times \frac{9}{2} = \frac{56}{3}$$

$$x = \frac{56}{3} \div \frac{9}{2}$$

$$x = \frac{56}{3} \times \frac{2}{9}$$

$$= \frac{112}{27}$$

$$= 4 \frac{4}{27}$$

7.

$$10 \times 8 = 80$$

$$\frac{80}{5}$$

$$= 16$$

2nd way = 'x' numbers ate 10 pasteries

$$\frac{x \times 5}{8} = 10$$

$$x = \frac{\cancel{10^2} \times 8}{5} = 16$$

$$\frac{\frac{10}{5}}{8} = \frac{10 \times 8}{5} = 16$$

Revision Time —

$$2. \quad \frac{51}{4} \times \frac{11}{2} = \frac{561}{8} = 70 \frac{1}{8} \text{ m}^2$$

$$3. \quad \overset{6}{\cancel{60}} \times \frac{3}{10} = 18 \quad \begin{array}{r} 60 \\ - 18 \\ \hline 42 \end{array}$$

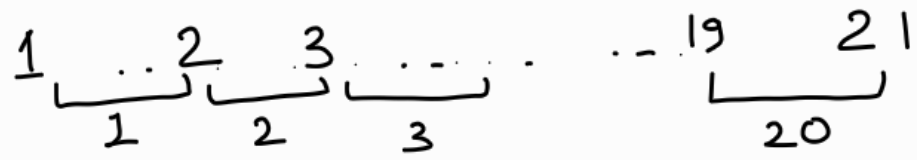
$$4. \quad \frac{5}{\frac{1}{4}} = 20$$

5.

$$6. \quad \frac{83}{\cancel{2}} \times \frac{\cancel{57}^{19}}{4} = \frac{1577}{4} = 394 \frac{1}{4} \text{ m}^2$$

7.

8.



$$20 \times \frac{3}{20} = 3 \text{ km.}$$

9.

10. $\frac{1}{2}$