SESSION	**: 14**
CLASS	**: IV**
SUBJECT	**: MATHEMATICS**
CHAPTER NUMBER	**: 11**
CHAPTER NAME	**: FRACTIONS**
SUBTOPIC	**: SUBTRACTIONS OF LIKE FRACTIONS, EX-11 D**

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LEARNING OBJECTIVE

- **Enable the students to understand how to subtract the like fractions.**

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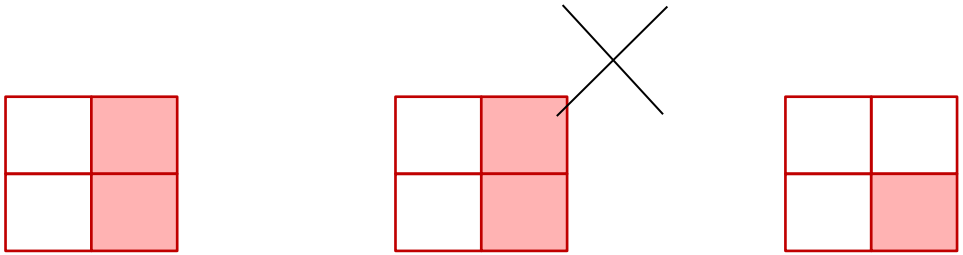
FRACTION

SUBTRACTION OF FRACTION

Let us subtract $\frac{1}{4}$ from $\frac{2}{4}$.



$$\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$$

$$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$$

Two like **fractions** can be **subtracted** by simply **subtracting** the smaller **numerator** from the greater **numerator**, while keeping the **denominator** same.

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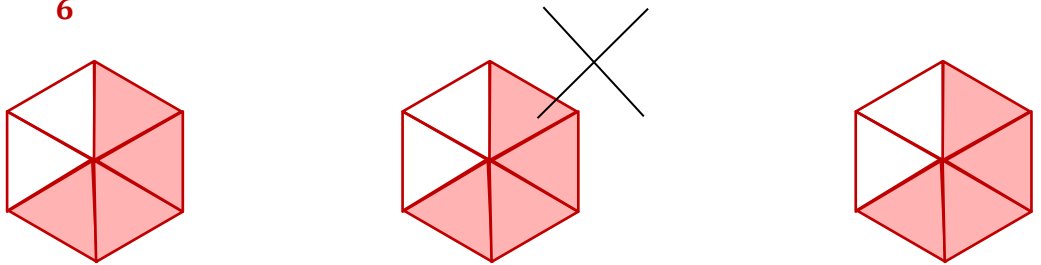
FRACTION

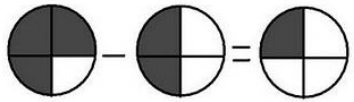
SUBTRACTION OF FRACTION

EXAMPLE

Subtract $\frac{2}{6}$ from $\frac{4}{6}$.



$$\frac{4}{6} - \frac{2}{6} = \frac{4-2}{6} = \frac{2}{6}$$



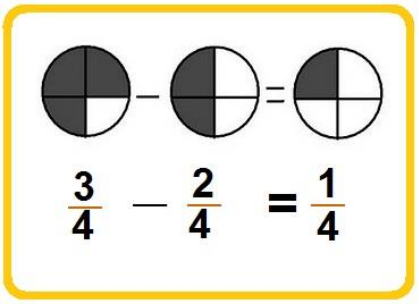
$$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$$

SUBTRACTION OF LIKE FRACTIONS

Exercise – 11(D)

1. Fill in the blanks:

(a) $\frac{2}{3} - \frac{\boxed{1}}{3} = \frac{1}{3}$ (b) $\frac{7}{11} - \frac{5}{11} = \frac{\boxed{2}}{11}$ (c) $\frac{17}{25} - \frac{\boxed{8}}{25} = \frac{9}{\boxed{25}}$



SUBTRACTION OF LIKE FRACTIONS

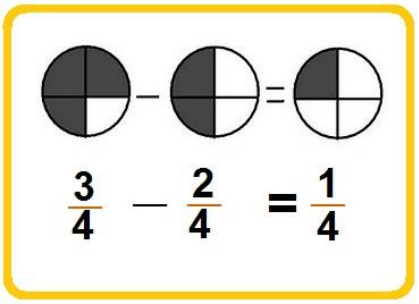
Exercise – 11(D)

1. Fill in the blanks:

(d) $\frac{8}{14} - \frac{\boxed{3}}{14} = \frac{5}{\boxed{14}}$

(e) $\frac{\boxed{34}}{43} - \frac{11}{43} = \frac{23}{43}$

(f) $\frac{17}{18} - \frac{\boxed{4}}{18} = \frac{13}{\boxed{18}}$



SUBTRACTION OF LIKE FRACTIONS

Exercise – 11(D)

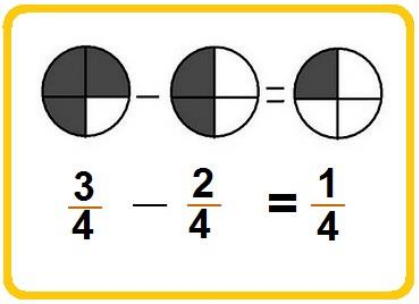
1. Fill in the blanks:

(g) $\frac{10}{15} - \frac{7}{15} = \frac{3}{15}$

(h) $\frac{10}{13} - \frac{9}{13} = \frac{1}{13}$

(i) $\frac{23}{42} - \frac{17}{42} = \frac{6}{42}$

(j) $\frac{87}{92} - \frac{57}{92} = \frac{30}{92}$



SUBTRACTION OF LIKE FRACTIONS

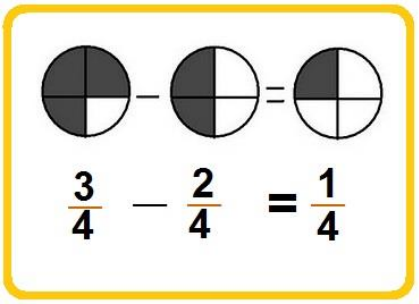
Exercise – 11(D)

2. Subtract the following:

(a) $\frac{4}{7} - \frac{3}{7} = \frac{4-3}{7} = \frac{1}{7}$

(b) $\frac{7}{11} - \frac{2}{11} = \frac{7-2}{11} = \frac{5}{11}$

(c) $\frac{11}{17} - \frac{5}{17} = \frac{11-5}{17} = \frac{6}{17}$



SUBTRACTION OF LIKE FRACTIONS

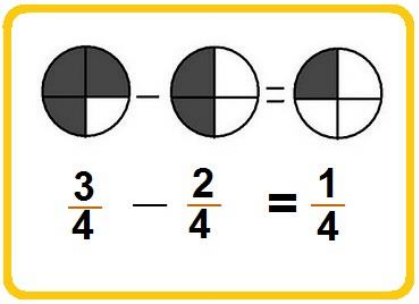
Exercise – 11(D)

2. Subtract the following:

(d) $\frac{20}{31} - \frac{15}{31} = \frac{20-15}{31} = \frac{5}{31}$

(e) $\frac{4}{15} - \frac{2}{15} = \frac{4-2}{15} = \frac{2}{15}$

(f) $\frac{15}{25} - \frac{10}{25} = \frac{15-10}{25} = \frac{5}{25}$



SUBTRACTION OF LIKE FRACTIONS

Exercise – 11(D)

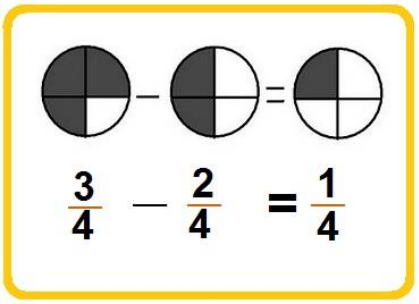
2. Subtract the following:

(g) $\frac{17}{23} - \frac{11}{23} = \frac{17-11}{23} = \frac{6}{23}$

(h) $\frac{15}{19} - \frac{12}{19} = \frac{15-12}{19} = \frac{3}{19}$

(i) $\frac{12}{26} - \frac{11}{26} = \frac{12-11}{26} = \frac{1}{26}$

(j) $\frac{25}{43} - \frac{23}{43} = \frac{25-23}{43} = \frac{2}{43}$



HOME ASSIGNMENT:

- **Complete Exercise – 11(D) in your note book.**

LEARNING OUTCOME:

Students are able to understand how to subtract the like fractions.

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THANKING YOU

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