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Modified In-School Off-School Approach Modules (MISOSA)
Distance Education for Elementary Schools
SELF-INSTRUCTIONAL MATERIALS



**FRACTIONS IN
HIGHER TERMS**



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FRACTIONS IN HIGHER TERMS

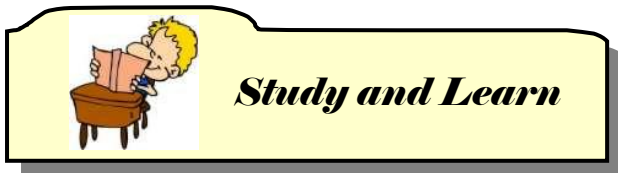
Objective: Change fractions to higher terms



Use your pencil and paper to solve the following. Write your answers in lowest terms.

1. An employee spends 8 hours a day working in the office. What fraction of a day is this? Hint: How many hours are there in a day?
2. An audio compact disc has 16 songs. Four of them are Original Pilipino Music (OPM). What part of the total number of songs are OPM?

Check your work. If you scored 2, you are ready for the next lesson. If you scored 1 or below, review changing fractions to lowest terms.



Fractions are also renamed in their higher terms. Here's how.

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

$$\frac{2}{3} \times \frac{3}{3} = \frac{6}{9}$$

$$\frac{2}{3} \times \frac{5}{5} = \frac{10}{15}$$

To get $\frac{4}{6}$, what did we multiply with $\frac{2}{3}$? ($\frac{2}{2}$)

To get $\frac{6}{9}$, what did we multiply with $\frac{2}{3}$? ($\frac{3}{3}$)

To get $\frac{10}{15}$, what did we multiply with $\frac{2}{3}$?





Let's try other examples.

a. $\frac{6}{7} \times \frac{3}{3} = \frac{18}{21}$

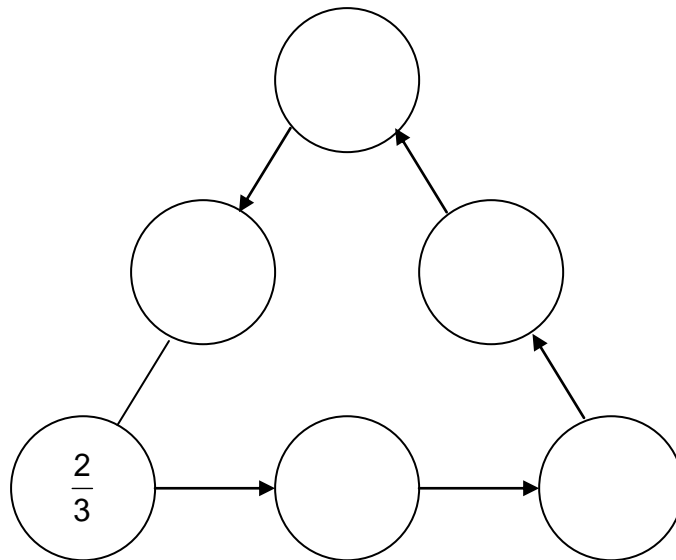
b. What are we going to multiply with $\frac{3}{4}$ to get $\frac{18}{24}$?

c. Are $\frac{6}{7}$ and $\frac{18}{21}$ equal? Why? Which is the fraction in higher terms?



Try These

Multiply continuously by $\frac{2}{2}$ to produce five fractions of higher term equivalent to $\frac{2}{3}$?



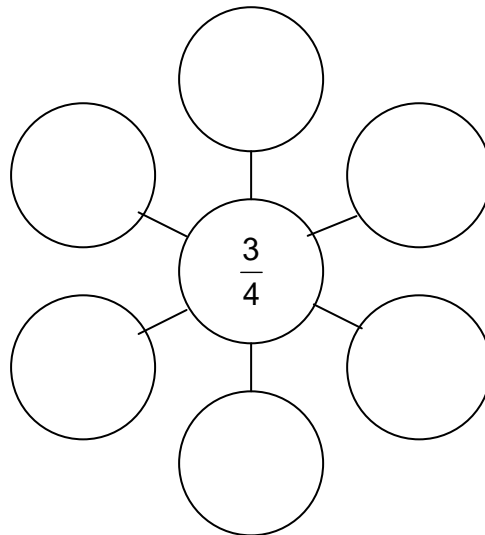
Wrap Up

To change fractions to higher terms, multiply the numerator and denominator by the same non-zero digit.



On Your Own

Multiply $\frac{3}{4}$ by $\frac{2}{2}$, $\frac{3}{3}$, $\frac{4}{4}$, $\frac{5}{5}$, $\frac{6}{6}$, $\frac{7}{7}$ to produce fractions in higher terms. Write the answers on the outer circle.



Check your answer with the answer key.
If you get...

- 5-6 Excellent! You may now proceed to the next lesson.
- 3-4 You need to review the processes you missed.
- 0-2 You need to repeat the whole process. Ask your teacher or elder to help you.

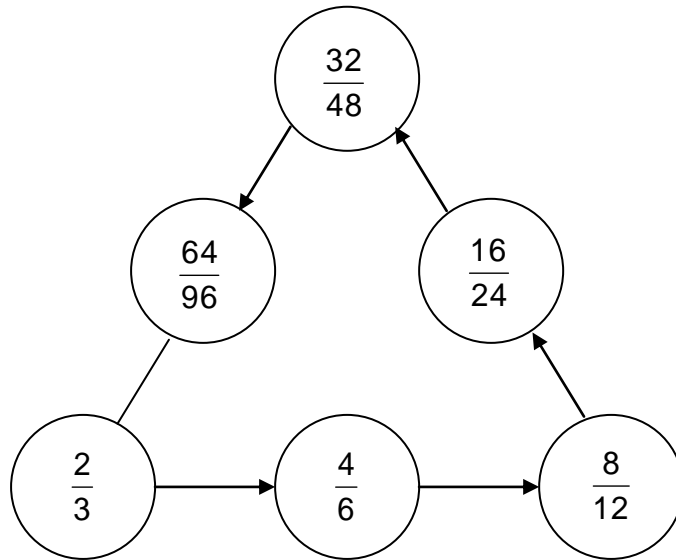


Key to Correction
FRACTIONS IN HIGHER TERMS

REVIEW

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

TRY THESE



ON YOUR OWN

