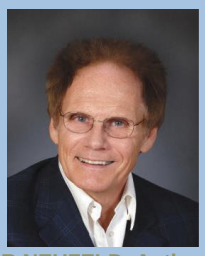
LESSON – ADDING FRACTIONS with Understanding

We are transitioning to the new UMathXI

The "U" in UMathX and UMathXI … is … "UNDERSTANDING"


R.NEUFELD–Author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Atlanta Math

webinar/workshop

following UMathX Learning Resources are available as we transition to new UMathXI:

- Support Sheets (with Solutions)
- Frameworks for Learning (some with answers)
- Interactive Videos at www.umathx.com in 6,7
- Previous versions of UMathX K to 10 (available to some)
  1. Click to download: Understanding Numeration … **gr K to 3**
     Serial Number: **3-B18652928-465**
  2. **Click to download: Understanding Math … gr 4 to 10**
     Serial Number: **5-B17611264-681**

Contact us at **info@umathx.com**
… if you have suggestions, questions or would like a webinar.

Setting up .. "The Learning Environment

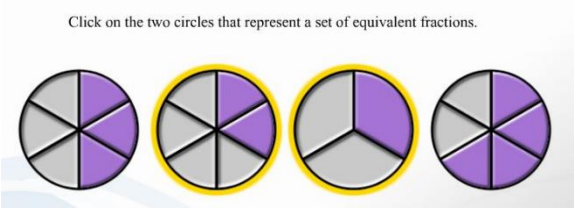
1. UMathX What is it? **Play video at .. *www.umathX.com***
2. UMathXI **Access: URL… Username… Password…**

As of March 8, access is not available but we are in final testing.

FOR AN INTRODUCTION to this lesson, we suggest that you access:

- **SUPPORT SHEETS above .. Fractions – Sec 8 - Adding**
- **UMathX 2008…Section 8 (link to previous versions available above)**

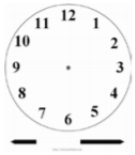
Pictures help in Understanding



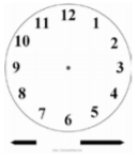
Taken from Support Sheets Online

Use your knowledge of clock hands to:

(a) Shade in $\frac{5}{12}$



(b) Shade in $\frac{1}{3}$



(c) Shade in the sum of $\frac{5}{12}+\frac{1}{3}=$

See FRAMEWORKS online.

Concept: ADDING FRACTIONS

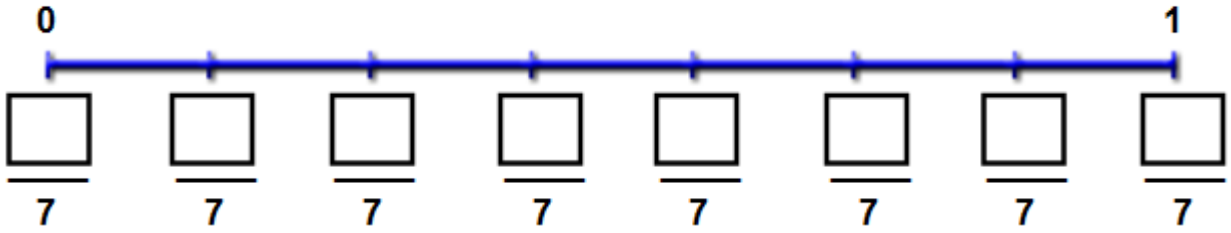
$\frac{2}{3} + \frac{5}{8} = ?$

Log into UMathXI **(if not yet released continue on without a computer)**

From the **Content Menu**, follow the path: **Fractions >Adding Fractions >Adding Fractions on the Number Line**

As you work through the lessons, complete the corresponding notes and number line models below.

$$\frac{2}{7} + \frac{4}{7} = \frac{\square}{7}$$



Use the multiplication table below to find the **lowest common denominator** of $\frac{2}{7}$ and $\frac{3}{5}$ which is ____

×	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	4	6	8	10	12	14	16	18
3	3	6	9	12	15	18	21	24	27
4	4	8	12	16	20	24	28	32	36
5	5	10	15	20	25	30	35	40	45
6	6	12	18	24	30	36	42	48	54
7	7	14	21	28	35	42	49	56	63
8	8	16	24	32	40	48	56	64	72
9	9	18	27	36	45	54	63	72	81

$$\begin{array}{rcl} \frac{\square}{\square} & \times \square = & \frac{\square}{\square} \\ & \times \square = & \square \\ 2 & \times \square = & \frac{\square}{\square} \\ + \ 7 & \times \square = & + \ \square \end{array}$$

See the following FRAMEWORK online

Working In It:

If it is released to you, log into UMathXI (if not released, continue without a computer)

From the **Content Menu**, follow the path below:

As you work through each lesson, complete the corresponding notes and models on paper below.

Fractions >Adding Fractions >Word Problems >Goal Scoring
>Taking a Walk

Goal Scoring

Tyler and Garrett play hockey. Tyler scored one sixth of the team's goals. Garrett scored one eighth of the team's goals. What fraction of the team's goals did the two players score?

Original Problem with Unlike Denominators:

Tyler **Garret**

_ + _

Solution: _

Problem with Like Denominators:

Tyler **Garret**

_ + _

Taking a Walk

Nadia and Kate were walking. Nadia walked one sixth of a kilometer. Kate walked one half of a kilometer. What was the total distance walked by both of them?

Original Problem with Unlike Denominators:

Nadi **Kate**

_ + _

Solution: _

Problem with Like Denominators:

Nadi **Kate**

_ + _