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## حل أسئلة كويز Quiz الوحدة الثامنة منهج ريفيل

موقع المناهج ← المناهج الإماراتية ← الصف الرابع ← رياضيات ← الفصل الثاني ← حلول ← الملف

تاريخ إضافة الملف على موقع المناهج: 11:30:30 2025-02-18

ملفات اكتب للمعلم اكتب للطالب الاختبارات الكترونية | اختبارات | حلول | عروض بوربوينت | أوراق عمل  
منهج انجليزي | ملخصات و تقارير | مذكرات و بنوك | الامتحان النهائي للمدرس

المزيد من مادة  
رياضيات:

## التواصل الاجتماعي بحسب الصف الرابع



صفحة المناهج  
الإماراتية على  
فيسبوك

الرياضيات

اللغة الانجليزية

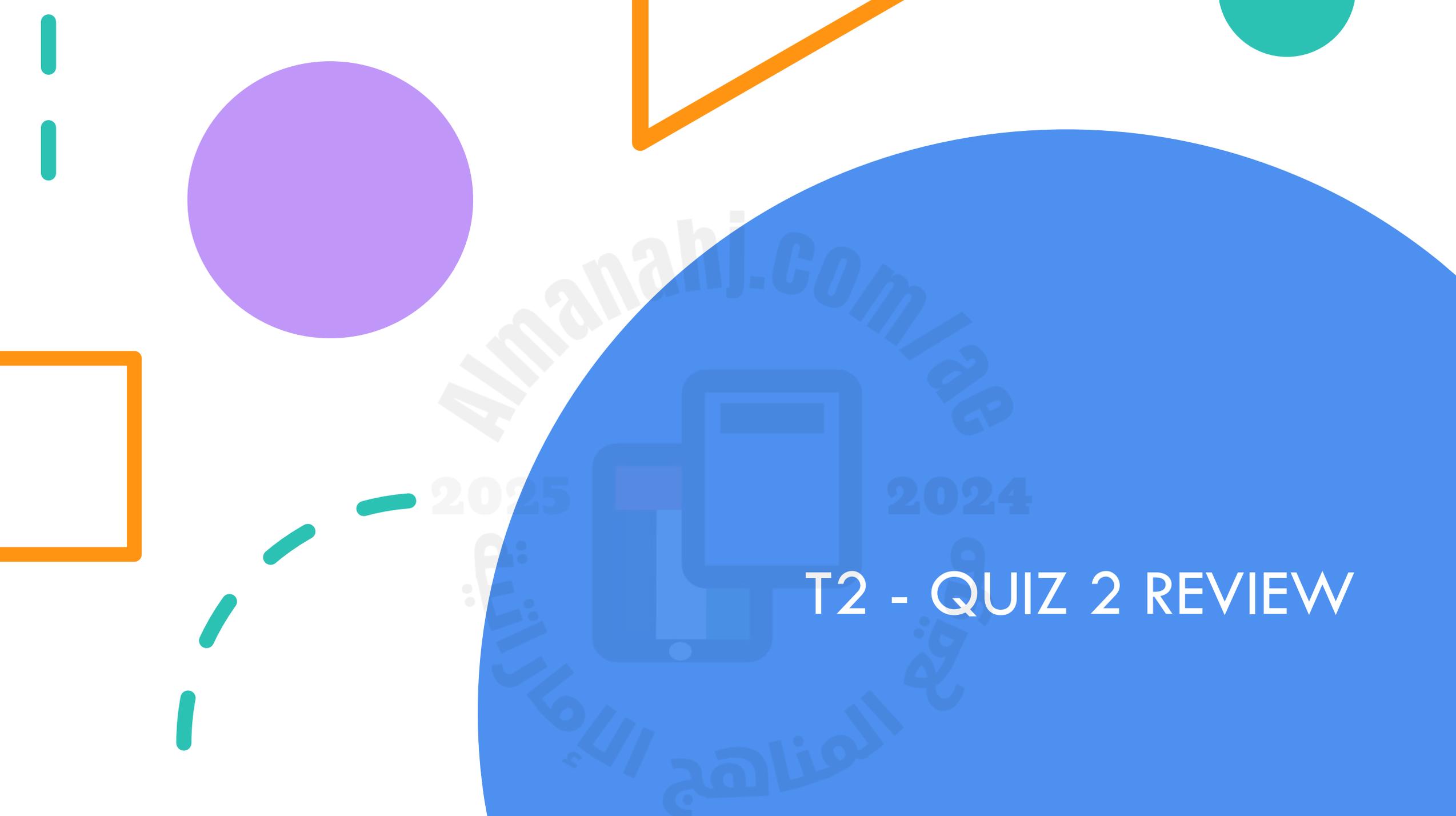
اللغة العربية

التربية الاسلامية

المواد على تلغرام

## المزيد من الملفات بحسب الصف الرابع والمادة رياضيات في الفصل الثاني

أسئلة كويز Quiz الوحدة الثامنة منهج ريفيل	1
أسئلة اختبار الوحدة الثامنة Equivalence Fraction تكافؤ الكسور منهج ريفيل	2
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# T2 - QUIZ 2 REVIEW

WHAT MUST I  
STUDY?

# MATH QUIZ

Thursday 13 February 2025

## UNIT 8 – Fraction Equivalence **BOOK 2**

Lesson	Topic	Questions to study from the lesson	
Unit 8 Lesson 8.1 Page 3	Equivalent Fractions	Question no 2, 4-7	Page 5
Unit 8 Lesson 8.2 Page 7	Generate Equivalent Fractions using models	Question no 5-8, 10	Page 9 - 10
Unit 8 Lesson 8.3 Page 11	Generate Equivalent Fractions using number line	Question no 1-4	Page 13
Unit 8 Lesson 8.4 Page 15	Compare Fractions using Benchmarks	Question no 1-7,12	Page 17-18
Unit 8 Lesson 8.5 Page 19	Other Ways to Compare Fractions	Question no 2,4,6,7,9	Page 21-22

## UNIT 9 – Addition and Subtraction Meanings and Strategies with Fractions **BOOK 2**

Unit 9 Lesson 9.1 Page 33	Understand Decomposing Fractions	Question no 1,2,5-8	Page 35-36
Unit 9 Lesson 9.2 Page 37	Present adding Fractions	Work Together Question no 1-7, 9, 10	Page 38 Page 39-40

# UNIT 8.1

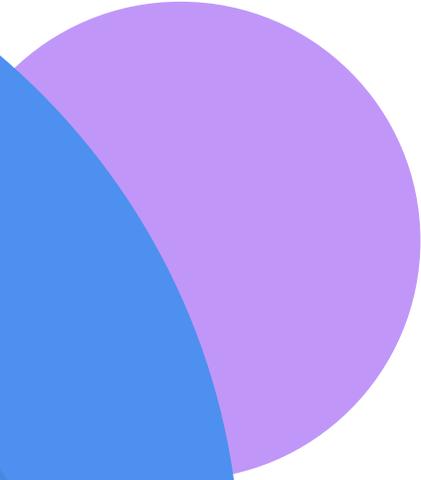
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# Are the fractions equivalent?

2.  $\frac{4}{10}$  and  $\frac{3}{6}$

No

Bigger  $\times$   
Smaller  $\div$

4.  $\frac{8}{10}$  and  $\frac{4}{5}$   
yes

5.  $\frac{2}{4} \stackrel{\times 2}{=} \frac{\boxed{4}}{8}$



6.  $\frac{8}{12} \stackrel{\div 2}{=} \frac{\boxed{4}}{6}$



7. Kathy lives  $\frac{2}{4}$  mile from the park. Charles lives  $\frac{6}{12}$  mile from the park. Do they live the same distance from the park? Explain.

$\frac{2}{4} \stackrel{(\times 3)}{=} \frac{6}{12}$  ✓ ✓ Yes they do.

# UNIT 8.2

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Find the missing number in the equivalent fraction.

5.  $\frac{1}{5} = \frac{2}{\boxed{10}}$   
Handwritten:  $\times 2$  (above 1),  $\times 2$  (below 5)

6.  $\frac{3}{4} = \frac{75}{\boxed{100}}$   
Handwritten:  $\times 25$  (above 3),  $\times 25$  (below 4)

7.  $\frac{14}{12} = \frac{\boxed{7}}{6}$   
Handwritten:  $\div 2$  (above 14),  $\div 2$  (below 12)

8.  $\frac{12}{9} = \frac{\boxed{4}}{3}$   
Handwritten:  $\div 3$  (above 12),  $\div 3$  (below 9)

10. Name two fractions that are represented by the model. Explain your reasoning.



Handwritten:  $\frac{10}{12} \div 2 = \frac{5}{6}$   
Handwritten:  $\div 2$  (above 10),  $\div 2$  (below 12)

# UNIT 8.3

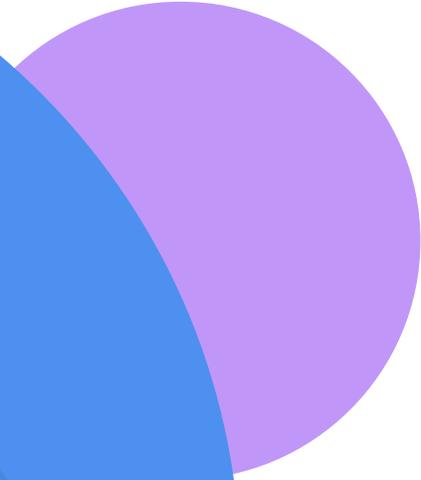
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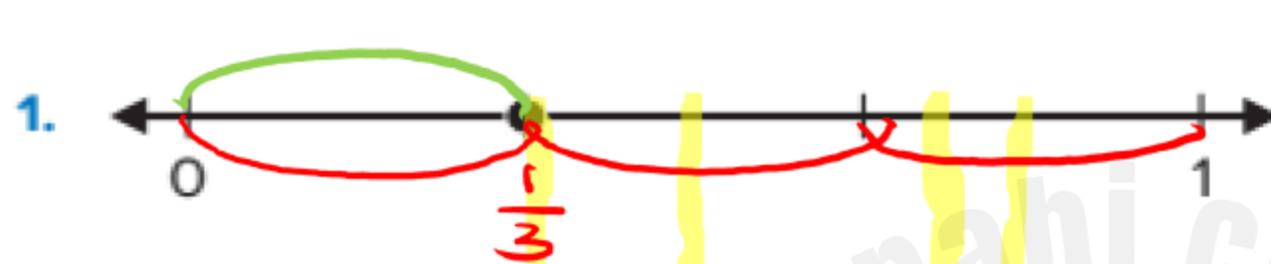
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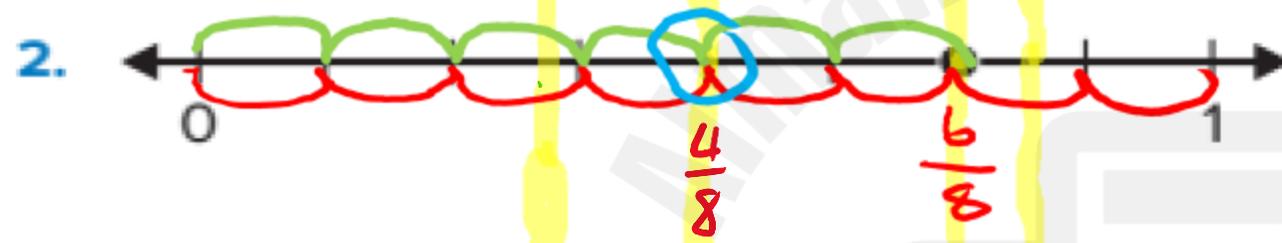


Look at the yellow lines!

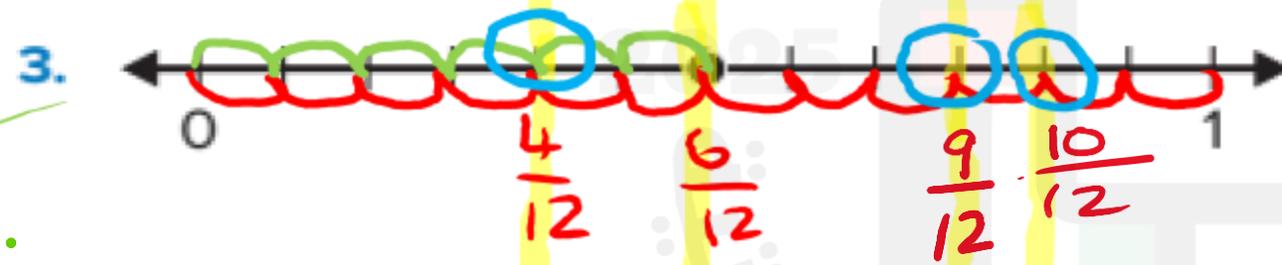
Use the number line to find an equivalent fraction.



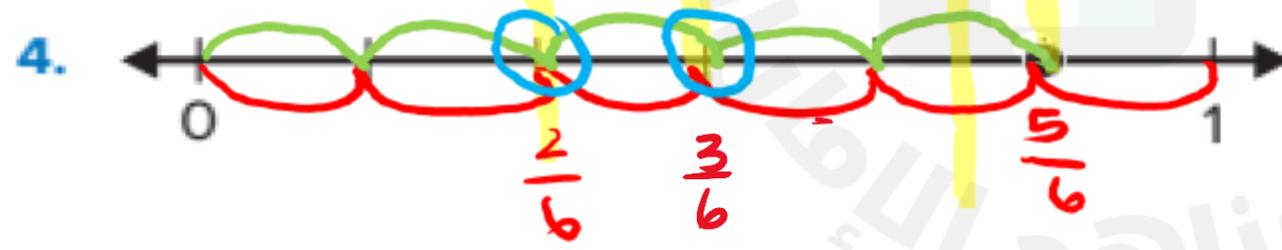
$$\frac{1}{3} = \frac{4}{12} = \frac{2}{6}$$



$$\frac{1}{8} = \frac{9}{12}$$



$$\frac{1}{12} = \frac{3}{6} = \frac{4}{8}$$



$$\frac{1}{6} = \frac{10}{12}$$

# UNIT 8.4

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How can you compare the fractions using benchmark numbers?

Write  $>$ ,  $<$ , or  $=$  to record the comparison.

$4 \times 10 = 40$

1.  $\frac{4}{6} < \frac{9}{10}$

$6 \times 9 = 54$

2.  $\frac{6}{12} = \frac{4}{8}$

$8 \times 6 = 48$

$12 \times 4 = 48$

$3 \times 10 = 30$

3.  $\frac{3}{4} > \frac{4}{10}$

$4 \times 4 = 16$

$4 \times 8 = 32$

4.  $\frac{4}{3} > \frac{7}{8}$

$3 \times 7 = 21$

5. Which fractions are greater than

$\frac{7}{12}$ ? Choose all that apply.

A.  $\frac{2}{10} < \frac{7}{12}$  (24)

B.  $\frac{6}{5} > \frac{7}{12}$  (72)

C.  $\frac{3}{6} < \frac{7}{12}$  (36)

D.  $\frac{8}{10} > \frac{7}{12}$  (96)

6. Which fractions are less than

$\frac{8}{5}$ ? Choose all that apply.

A.  $\frac{2}{6} < \frac{8}{5}$  (16)

B.  $\frac{3}{2} > \frac{8}{5}$  (24)

C.  $\frac{9}{10} > \frac{8}{5}$  (72)

D.  $\frac{4}{12} < \frac{8}{5}$  (32)

7. Oscar ran  $\frac{7}{8}$  mile on Tuesday and  $\frac{6}{10}$  mile on Thursday. On which day did Oscar run a **greater distance**? Explain your thinking.

$\frac{70}{8} > \frac{48}{10}$   
 Tuesday Thursday  
 On Tuesday

- 12 Malai and Nina are each doing the same puzzle. Malai finished  $\frac{10}{12}$  of his puzzle. Nina finished  $\frac{5}{8}$  of her puzzle. Did Malai finish more or less of the puzzle than Nina? Explain your reasoning.

$8 \times 10 = 80$  Malai  $\frac{10}{12} > \frac{5}{8}$  Nina  $12 \times 5 = 60$   
 Malai finished more

# UNIT 8.5

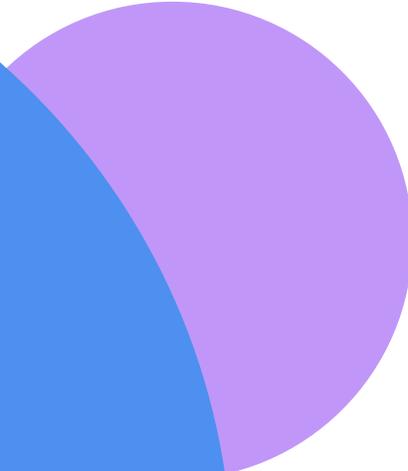
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Write  $>$ ,  $<$ , or  $=$  to compare the fractions. Explain your reasoning for each comparison.

2.  $\frac{2}{6} = \frac{1}{3}$

4.  $\frac{3}{4} > \frac{6}{10}$

6.  $\frac{7}{12} < \frac{2}{3}$

7. Russel and Toby each bought a medium box of popcorn. Russel ate  $\frac{3}{5}$  of his popcorn and Toby ate  $\frac{6}{8}$  of his popcorn. **Did Russel eat more** popcorn than Toby? Explain your reasoning.

Russel  $8 \times 3 = 24$   $\frac{3}{5}$   $<$   $\frac{6}{8}$  Toby  $5 \times 6 = 30$

No, Toby ate more!

9. Ethan and Petra have the same number of raffle tickets to sell. Ethan sold  $\frac{1}{4}$  of his raffle tickets. Petra sold  $\frac{3}{8}$  of her raffle tickets. **Who sold more tickets?** Explain your reasoning.

Ethan  $8 \times 1 = 8$   $\frac{1}{4}$   $<$   $\frac{3}{8}$  Petra  $4 \times 3 = 12$

Petra sold more!

# UNIT 9.1

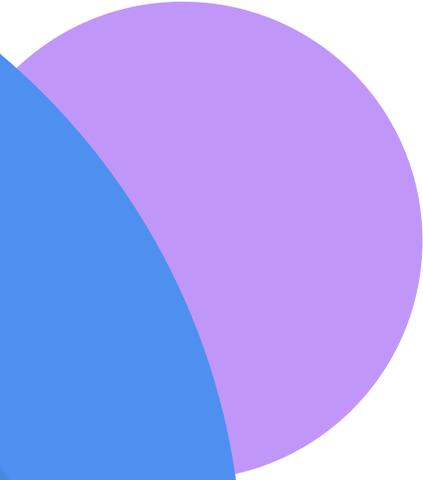
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How can you decompose the fraction into **unit fractions?**

1.  $\frac{5}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

2.  $\frac{4}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

→ Numerator is always 1.

Keep the denominator

break up!

5. How can you decompose  $\frac{7}{10}$  into a sum of 4 fractions?

Write equations to show two different ways.

$\frac{2}{10} + \frac{2}{10} + \frac{2}{10} + \frac{1}{10} = \frac{7}{10}$

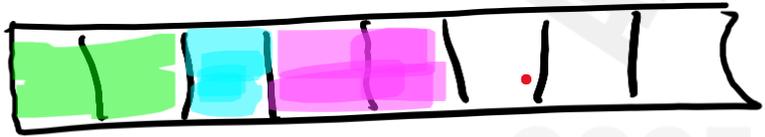
Any of sum 7!

6. Tricia has  $\frac{9}{12}$  of a breakfast casserole left over. She puts the casserole into 3 containers. What fraction of the casserole could Tricia have put into each container? Show your work.

$$\frac{3}{12} + \frac{3}{12} + \frac{3}{12} = \frac{9}{12}$$

Any sum  
of 9

7. Amy decomposes a fraction into a sum of fractions. What fraction could Amy have decomposed? Draw fraction tiles to justify your answer.



$$\frac{5}{8} = \frac{2}{8} + \frac{1}{8} + \frac{2}{8}$$

8. A family of 4 ate  $\frac{7}{12}$  of a lasagna. How much lasagna could each person have eaten? Explain your thinking.

Any sum of  $\frac{7}{12} = \frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{1}{12}$

# UNIT 9.2

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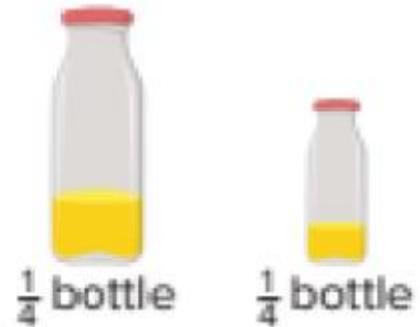
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## Work Together

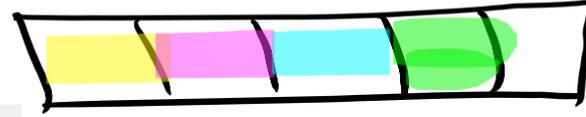
Macie says if she combines the juice into one bottle, she will have a total of  $\frac{1}{2}$  bottle of juice. **How can you respond to Macie?** Explain.

No, the bottles are not the same size.

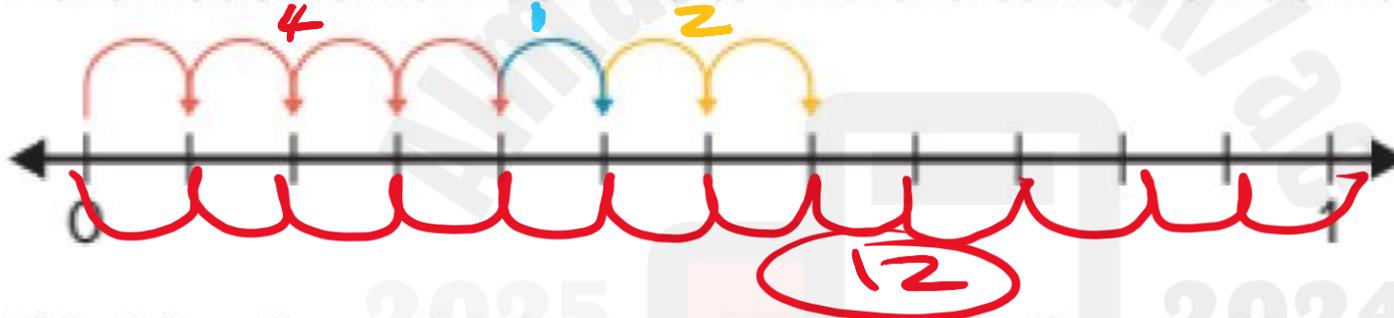


1. How can you find the sum? Draw a picture to show your thinking.

$$\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{4}{5}$$



2. Aaron used a number line to find the sum of three fractions

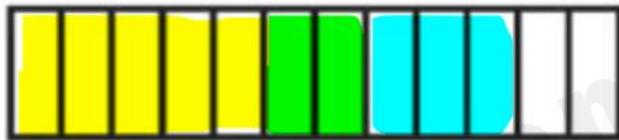


What fractions did Aaron add? What is the sum?

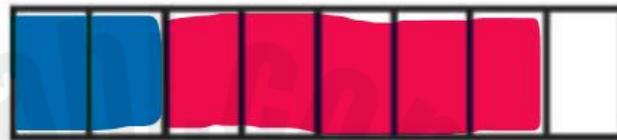
$$\frac{4}{12} + \frac{1}{12} + \frac{2}{12} = \frac{7}{12}$$

How can you find the sum? Use the fraction model to represent the equation.

$$3. \frac{5}{12} + \frac{2}{12} + \frac{3}{12} = \frac{10}{12}$$



$$4. \frac{2}{8} + \frac{5}{8} = \frac{7}{8}$$



$$5. \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{4}{6}$$



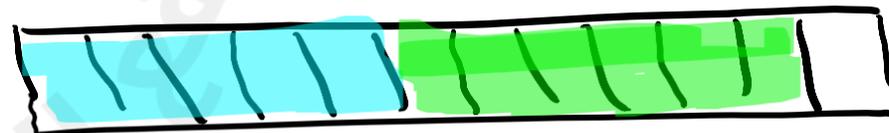
$$6. \frac{1}{4} + \frac{2}{4} = \frac{3}{4}$$



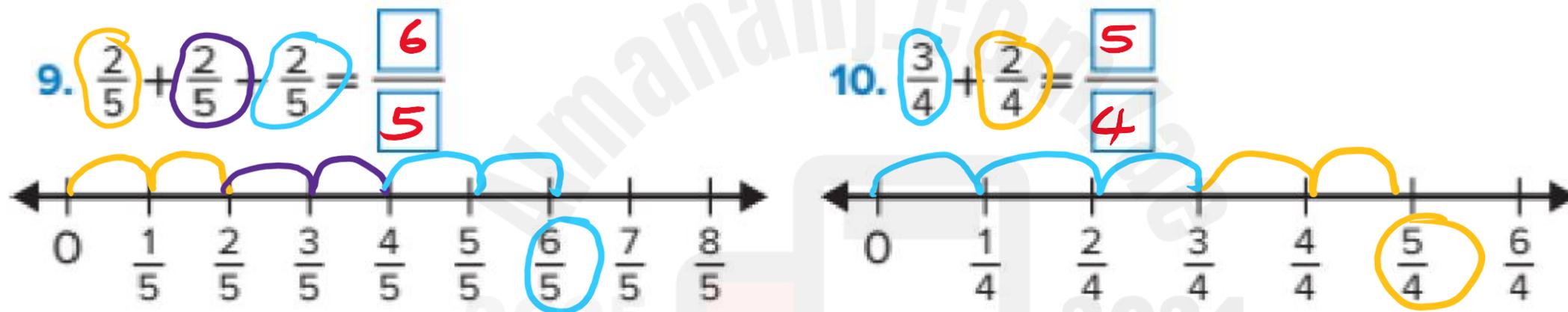
7. Hank combines  $\frac{5}{12}$  gallon of red paint with  $\frac{6}{12}$  gallon of white paint to make pink paint. How much pink paint does Hank have?

Draw a picture to show your thinking.

$$\frac{5}{12} + \frac{6}{12} = \frac{11}{12}$$



What is the sum? Use the number line to represent the equation.





Good luck with your  
preparation for the quiz.