

تم تحميل هذا الملف من موقع المناهج الإماراتية



حل تجميعية أسئلة وفق الهيكل الوزاري من 9 إلى 11 منهج ريفيل

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

تاريخ إضافة الملف على موقع المناهج: 2025-03-06 20:43:41

ملفات اكتب للمعلم اكتب للطالب | اختبارات الكترونية | اختبارات | حلول | عروض بوربوينت | أوراق عمل
منهج انجليزي | ملخصات وتقارير | مذكرات وبنوك | الامتحان النهائي | للمدرس

المزيد من مادة
رياضيات:

إعداد: Ibrahim Mohamed

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

حل تجميعية أسئلة وفق الهيكل الوزاري من 1 إلى 8 منهج ريفيل

1

حل النموذج التدريبي للاختبار النهائي وفق الهيكل الوزاري

2

النموذج التدريبي للاختبار النهائي وفق الهيكل الوزاري

3

تجميعية تدريبات الكتاب وفق الهيكل الوزاري

4

مراجعة نهائية وفق الهيكل الوزاري منهج ريفيل

5

Learn

Loretta will make a peanut mix using salty and spicy peanuts. She will use $\frac{3}{8}$ pound of salty peanuts and $\frac{5}{8}$ pound of spicy peanuts.

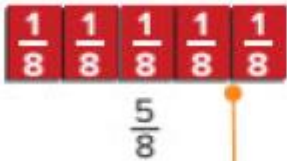


How many pounds of peanut mix will she make?

Fraction tiles can represent the problem.

The fraction tiles can represent the amount of each kind of peanut.

salty peanuts spicy peanuts

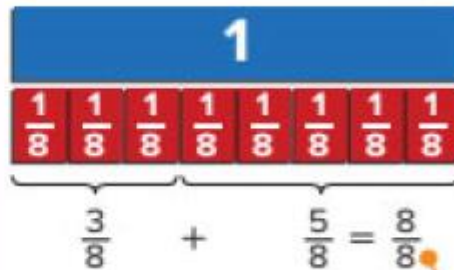


$$\frac{3}{8} + \frac{5}{8} = ?$$

Each fraction tile is the same size.

Add the fraction tiles.

Add the tiles.



Loretta will make $\frac{8}{8}$ pound of peanut mix.

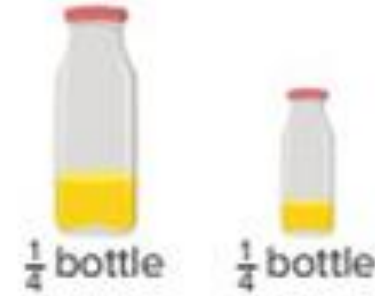
The denominator stays the same.

Math is... Quantities



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.



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

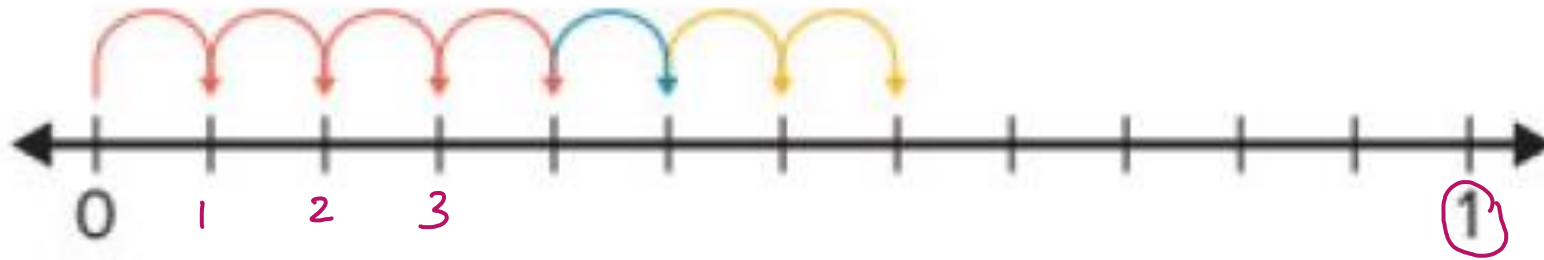
$$\frac{2}{4} = \frac{1}{2}$$



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.

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



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



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



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



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.

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

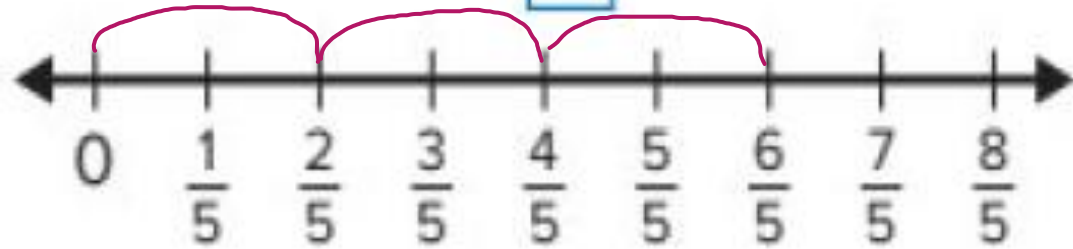
8. **Error Analysis** A student wrote $\frac{2}{6} + \frac{3}{6} = \frac{5}{12}$. How do you respond to the student?

$$\frac{2}{6} + \frac{3}{6} = \frac{5}{6} \quad \leftarrow \text{The correct}$$

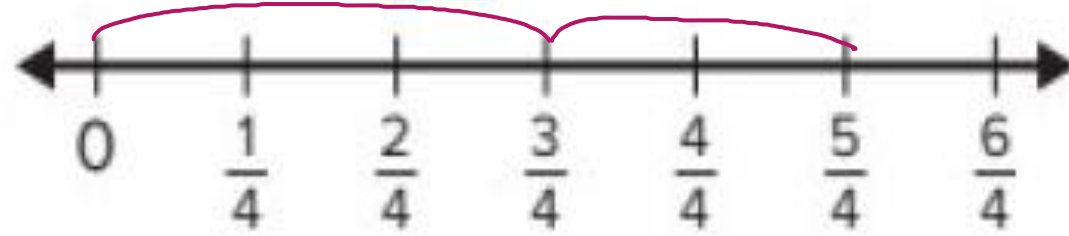


What is the sum? Use the number line to represent the equation.

$$9. \frac{2}{5} + \frac{2}{5} + \frac{2}{5} = \frac{\boxed{6}}{\boxed{5}}$$



$$10. \frac{3}{4} + \frac{2}{4} = \frac{\boxed{5}}{\boxed{4}}$$





11. Before school, it snowed $\frac{3}{8}$ inch. During school, it snowed $\frac{2}{8}$ inch. After school, it snowed $\frac{5}{8}$ inch. How much did it snow?

$$\frac{3}{8} + \frac{2}{8} + \frac{5}{8} = \frac{10}{8}$$



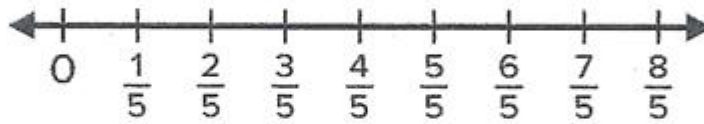
امتحانات سابقة

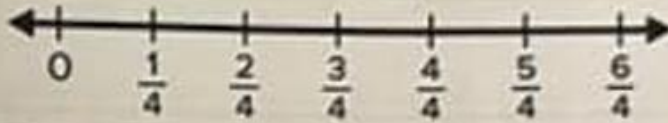
Question	13	13	السؤال
What is the sum? Use a fraction model to solve the equation.			ما المجموع؟ استخدم نموذج الكسر لحل المعادلة.
			$\frac{5}{12} + \frac{2}{12} + \frac{3}{12} = \frac{10}{12}$ 
A	$\frac{5}{12}$		
B	$\frac{7}{12}$		
C	$\frac{8}{12}$		
D	$\frac{10}{12}$	✓	

			$\frac{3}{7} + \frac{2}{7} + \frac{1}{7} = \frac{\square}{\square}$ 
A	$\frac{3}{7}$		
B	$\frac{4}{7}$		
C	$\frac{5}{7}$		
D	$\frac{6}{7}$	✓	



امتحانات سابقة

Question	9	السؤال
What is the sum? Use the number line to solve the equation.		ما المجموع؟ استخدم خط الأعداد لحل المعادلة.
		$\frac{2}{5} + \frac{2}{5} + \frac{2}{5} = \frac{\boxed{6}}{\boxed{5}}$ 
A	$\frac{4}{5}$	
B	$\frac{6}{5}$	✓
C	$\frac{7}{5}$	
D	$\frac{8}{5}$	

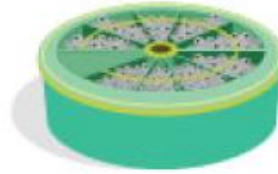
Question	5	السؤال
What is the sum? Use the number line to solve the equation.		ما المجموع؟ استخدم خط الأعداد لحل المعادلة.
		$\frac{3}{4} + \frac{2}{4} = \frac{\boxed{}}{\boxed{}}$ 
A	$\frac{1}{4}$	
B	$\frac{4}{4}$	
C	$\frac{5}{4}$	✓
D	$\frac{6}{4}$	



Learn

Robert had nails in $\frac{9}{10}$ of the container.

He used the nails in $\frac{4}{10}$ of the container to build a bookshelf.



How much of the container still has nails in it?

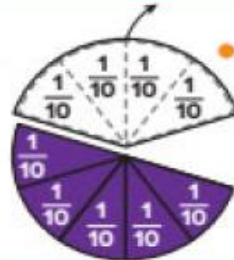
You can subtract to solve this problem.

$$\frac{9}{10} - \frac{4}{10} = \frac{5}{10}$$

► **One Way** Use fraction circles.

$$\frac{9}{10} - \frac{4}{10} = ?$$

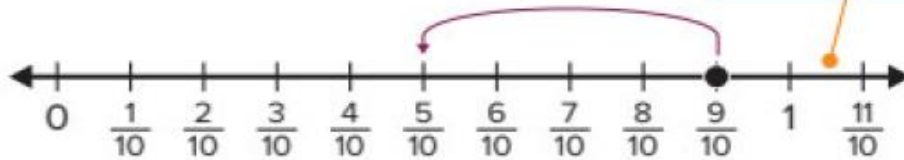
$$\frac{9}{10} - \frac{4}{10} = \frac{5}{10}$$



Subtract 4 parts.

► **Another Way** Use a number line.

$$\frac{9}{10} - \frac{4}{10} = ?$$



Each interval is the same size.

$$\frac{9}{10} - \frac{4}{10} = \frac{5}{10}$$

The denominators stay the same.

There are nails in $\frac{5}{10}$ of the container.

Math is... Quantities

How do you know what

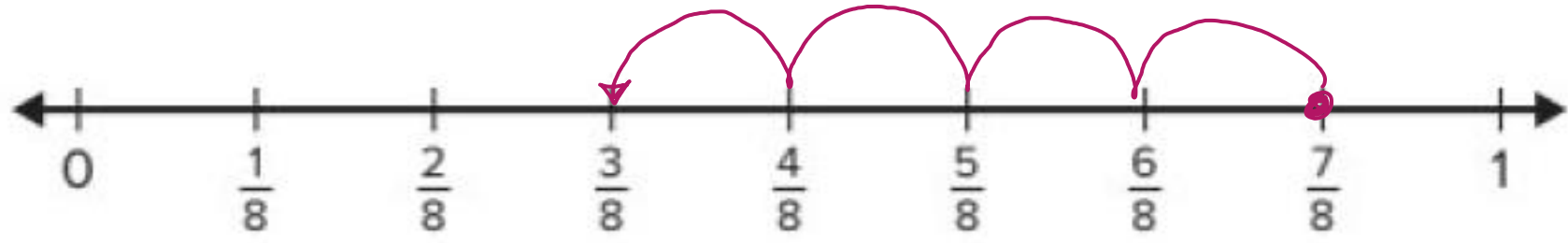
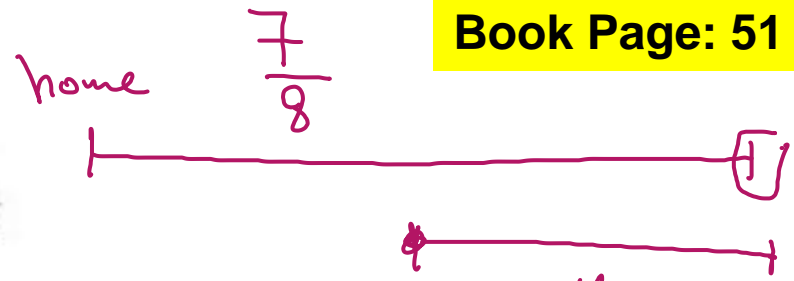


Ryan has $\frac{6}{8}$ cup of rice. Rita has $\frac{4}{8}$ cup of rice. Who has more rice?
How much more? Use representations to explain your answer.

$$\frac{6}{8} > \frac{4}{8} \quad < \quad \frac{6}{8} - \frac{4}{8} = \frac{2}{8}$$



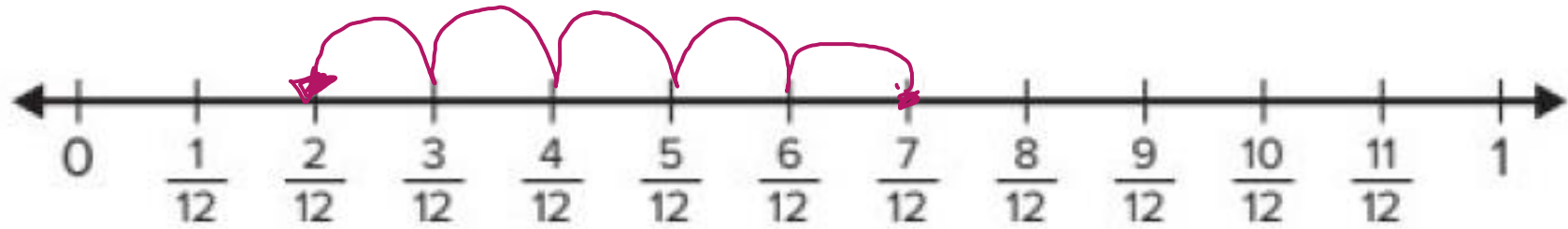
1. Henry's home is $\frac{7}{8}$ mile from school. He stops at the library on his way home. The library is $\frac{4}{8}$ mile from the school. How much farther does Henry need to travel to get home? Use the number line to find the difference.



$$\frac{7}{8} - \frac{4}{8} = \frac{3}{8}$$

2. A tank was $\frac{7}{12}$ full of water. Camryn drained $\frac{5}{12}$ of the tank. How much of the tank is still filled with water? Use the number line to find the difference.

$$\frac{7}{12} - \frac{5}{12} = \frac{2}{12}$$



What is the difference?

$$3. \quad \frac{6}{8} - \frac{2}{8} = \frac{\boxed{4}}{\boxed{8}}$$

$$4. \quad \frac{15}{12} - \frac{11}{12} = \frac{\boxed{4}}{\boxed{12}}$$

$$5. \quad \frac{9}{6} - \frac{4}{6} = \frac{\boxed{5}}{\boxed{6}}$$

$$6. \quad \frac{7}{8} - \frac{2}{8} - \frac{2}{8} = \frac{\boxed{3}}{\boxed{8}}$$



What fraction are you taking away?

$$7. \quad \frac{8}{10} - \frac{\boxed{2}}{\boxed{10}} = \frac{6}{10}$$

$$8. \quad \frac{8}{12} - \frac{\boxed{3}}{\boxed{12}} = \frac{5}{12}$$

$$9. \quad \frac{4}{5} - \frac{1}{5} - \frac{\boxed{1}}{\boxed{5}} = \frac{2}{5}$$

$$10. \quad \frac{9}{12} - \frac{2}{12} - \frac{\boxed{3}}{\boxed{\quad}} = \frac{4}{12}$$



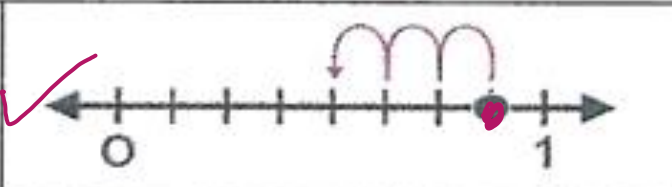
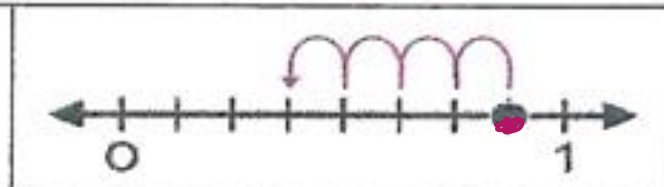
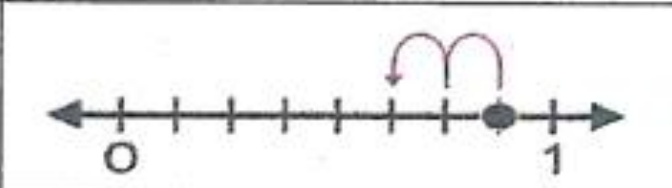
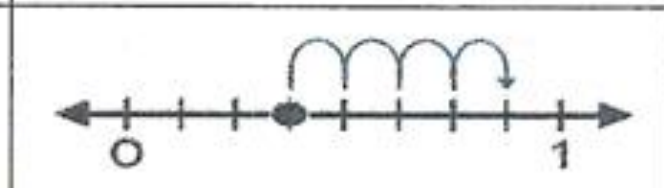
امتحانات سابقة

Question	15	السؤال
What is the difference?		ما الفرق؟
$\frac{9}{12} - \frac{2}{12} = \frac{\boxed{}}{\boxed{}}$		$\frac{9}{12} - \frac{2}{12} = \frac{\boxed{}}{\boxed{}}$
A	$\frac{7}{24}$	
B	$\frac{7}{12}$	
C	$\frac{11}{24}$	
D	$\frac{11}{12}$	

Question	16	السؤال
Layla ran $\frac{4}{10}$ mile. Her sister ran $\frac{7}{10}$ mile. <u>How much farther did Layla's sister run?</u>		ركضت ليلى $\frac{4}{10}$ ميلاً. وركضت أختها $\frac{7}{10}$ ميلاً. كم تزيد المسافة التي ركضتها أخت ليلى؟
A	$\frac{3}{20}$	
B	$\frac{3}{10}$	$\frac{7}{10} - \frac{4}{10} = \frac{3}{10}$
C	$\frac{11}{20}$	
D	$1\frac{1}{10}$	



امتحانات سابقة

Question	11	السؤال	
Which number line shows the difference $\frac{7}{8} - \frac{3}{8}$?		أي خط أعداد يوضح الفرق $\frac{7}{8} - \frac{3}{8}$ ؟	
A		C	
B		D	



Learn

Ciana needs to measure $2\frac{3}{4}$ cups of flour to make muffins. She has only the measuring cup shown.



How many times will Ciana need to fill the measuring cup?

$2\frac{3}{4}$ is a **mixed number**.

It has a whole-number part and a fraction part.



► **One Way** Decompose into a sum of whole-number parts and fraction parts.



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

$$2\frac{3}{4} = \frac{4}{4} + \frac{4}{4} + \frac{3}{4}$$

$$2\frac{3}{4} = \frac{11}{4}$$

► **Another Way** Decompose into a sum of unit fractions.



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

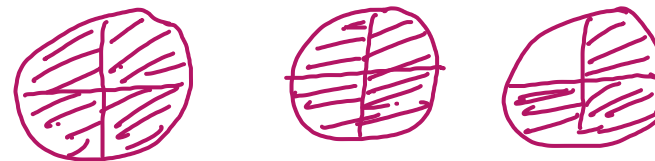
$$+ \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$$

$$2\frac{3}{4} = \frac{11}{4}$$

Ciana can use eleven $\frac{1}{4}$ cup measuring cups.

Math is... Structure

What is another way to decompose a mixed number?



$$\rightarrow 2\frac{3}{4}$$

$$\rightarrow 1 + 1 + \frac{3}{4}$$

$$\frac{4}{4} + \frac{4}{4} + \frac{3}{4} = \frac{11}{4}$$

5/5



How can you decompose $2\frac{1}{3}$? Write an equation to show the decomposition.

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

$$1 + 1 + \frac{1}{3}$$

$$\frac{3}{3} + \frac{3}{3} + \frac{1}{3} = \frac{7}{3}$$



How can you decompose the mixed number?

Write equations to represent the decomposition.

1. $2\frac{3}{5}$

$$1 + 1 + \frac{3}{5}$$

$$\frac{5}{5} + \frac{5}{5} + \frac{3}{5} = \frac{13}{5}$$

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

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

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

3. $3\frac{1}{4}$

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

$$\frac{4}{4} + \frac{4}{4} + \frac{4}{4} + \frac{1}{4} = \frac{13}{4}$$

4. $2\frac{1}{2}$

$$1 + 1 + \frac{1}{2}$$

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



5. What fraction is equivalent to $5\frac{2}{3}$? Use a representation or equation to justify your answer.

$$\rightarrow \frac{17}{3}$$

6. Linda decomposed a mixed number as $\frac{2}{2} + \frac{2}{2} + \frac{2}{2} + \frac{2}{2} + \frac{2}{2} + \frac{1}{2}$.

- a. What mixed number did Linda decompose?

$$5\frac{1}{2}$$

- b. What is another way Linda could decompose the mixed number?

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



7. How can you decompose $3\frac{3}{4}$?
Choose all that apply. (Lesson 10-1)

- A. $2 + \frac{7}{4} \rightarrow 2 + \frac{4}{4} + \frac{3}{4}$
 $2 + 1 + \frac{3}{4} = 3\frac{3}{4}$
- B. $2 + 1 + \frac{2}{4}$
- C. $3 + \frac{3}{4}$
- D. $\frac{4}{4} + \frac{4}{4} + \frac{4}{4} + \frac{3}{4}$
- E. $\frac{3}{4} + \frac{3}{4}$

12. What mixed number is equivalent to $\frac{5}{5} + \frac{3}{5} + \frac{1}{5} + \frac{2}{5}$? Choose the correct answer. (Lesson 10-1)

- A. $1\frac{1}{5}$
- B. $1\frac{4}{5}$
- C. $2\frac{1}{5}$
- D. $2\frac{4}{5}$

$\frac{11}{5} = 2\frac{1}{5}$

$\frac{11}{5} = \frac{5}{5} + \frac{5}{5} + \frac{1}{5}$

$2\frac{1}{5}$



امتحانات سابقة

Question	17	17	السؤال
What mixed number is equivalent to $\frac{5}{5} + \frac{1}{5} + \frac{2}{5} + \frac{3}{5}$? = $\frac{11}{5}$			ما العدد المركب المكافئ لـ $\frac{5}{5} + \frac{1}{5} + \frac{2}{5} + \frac{3}{5}$ ؟
A	$1 \frac{1}{5}$		
B	$1 \frac{3}{5}$		
C	$2 \frac{1}{5}$	$\frac{11}{5}$	
D	$2 \frac{3}{5}$		

Question	17	17	السؤال
What mixed number is equivalent to $\frac{3}{3} + \frac{1}{3} + \frac{2}{3} + \frac{1}{3}$? → $\frac{7}{3}$			ما العدد المركب المكافئ لـ $\frac{3}{3} + \frac{1}{3} + \frac{2}{3} + \frac{1}{3}$ ؟
A	$2 \frac{1}{3}$	$\frac{3}{3} + \frac{3}{3} + \frac{1}{3}$	
B	$1 \frac{2}{3}$	$2 \frac{1}{3}$	
C	$1 \frac{1}{3}$		
D	$2 \frac{2}{3}$		



امتحانات سابقة

Question	12	السؤال	
Which fraction is equivalent to $2\frac{5}{6}$?		ما الكسر المكافئ لـ $2\frac{5}{6}$ ؟	
A	$\frac{11}{6}$	C	$\frac{15}{6}$
B	$\frac{17}{6}$ ✓	D	$\frac{19}{6}$

$$\frac{17}{6}$$

$$1 + 1 + \frac{5}{6}$$
$$\frac{6}{6} + \frac{6}{6} + \frac{5}{6} = \frac{17}{6}$$

