

تم تحميل هذا الملف من موقع المناهج الإماراتية



حل تجميعية أسئلة وفق الهيكل الوزاري من 12 إلى 15 منهج ريفيل

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

تاريخ إضافة الملف على موقع المناهج: 21:01:44 2025-03-06

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:

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 9 إلى 11 منهج ريفيل

1

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

2

حل النموذج التدريبي للاختبار النهائي وفق الهيكل الوزاري

3

النموذج التدريبي للاختبار النهائي وفق الهيكل الوزاري

4

تجميعية تدريبات الكتاب وفق الهيكل الوزاري

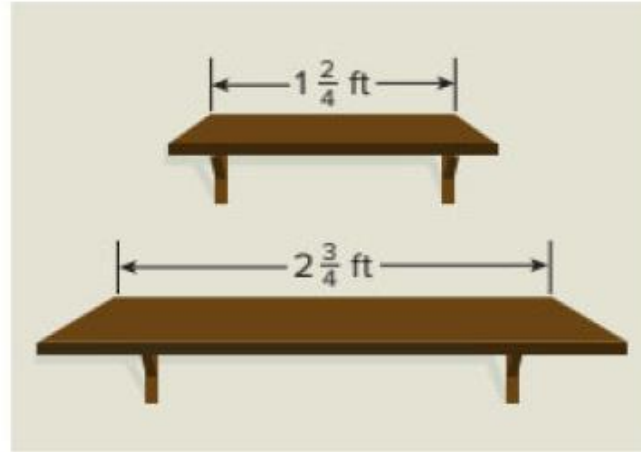
5

Learn

Tara buys a 5-foot-long board to make two shelves.

How much of the board will she use?

You can use fraction models to represent the addition.



You can use fraction models to represent the problem.

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



Add the whole number parts and the fraction parts. You can make another whole.



$$3 \quad \frac{5}{4} = 1\frac{1}{4}$$

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

Tara will use $4\frac{1}{4}$ feet of the board.

Math is... Modeling

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

$$1\frac{2}{4} + 2\frac{3}{4} = 3\frac{5}{4}$$

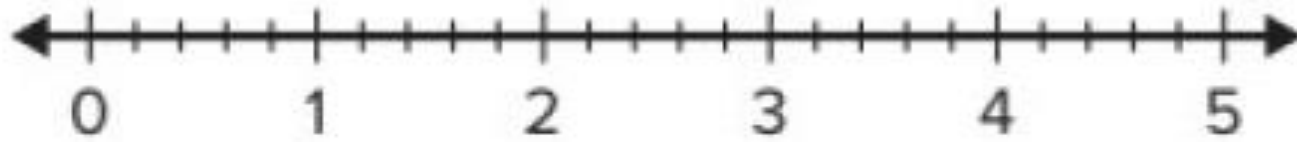
$$3 + \frac{4}{4} + \frac{1}{4}$$

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



Work Together

Kyle rode his bike $2\frac{3}{5}$ miles in the morning and $1\frac{4}{5}$ miles in the afternoon. How far did Kyle ride during the day? Use a number line to represent and solve the problem.



$$2\frac{3}{5} + 1\frac{4}{5} = 3\frac{7}{5} = 3 + \frac{5}{5} + \frac{2}{5} = 4\frac{2}{5}$$



What is the sum? Use a representation to show your work.

$$1. \quad 1\frac{2}{5} + 2\frac{2}{5} = \boxed{3} \frac{\boxed{4}}{\boxed{5}}$$

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

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

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

$$3. \quad 1\frac{6}{12} + 1\frac{4}{12} = \boxed{2} \frac{\boxed{10}}{\boxed{12}}$$

$$4. \quad 2\frac{5}{8} + 1\frac{7}{8} = \boxed{4} \frac{\boxed{4}}{\boxed{8}}$$

$$3 + \frac{8}{8} + \frac{4}{8} = 4\frac{4}{8}$$

$$5. \quad 1\frac{7}{10} + 1\frac{9}{10} = \boxed{3} \frac{\boxed{6}}{\boxed{10}}$$

$$6. \quad 2\frac{2}{6} + 1\frac{3}{6} = \boxed{3} \frac{\boxed{5}}{\boxed{6}}$$

$$2 + \frac{\boxed{10}}{\boxed{10}} + \frac{6}{10}$$

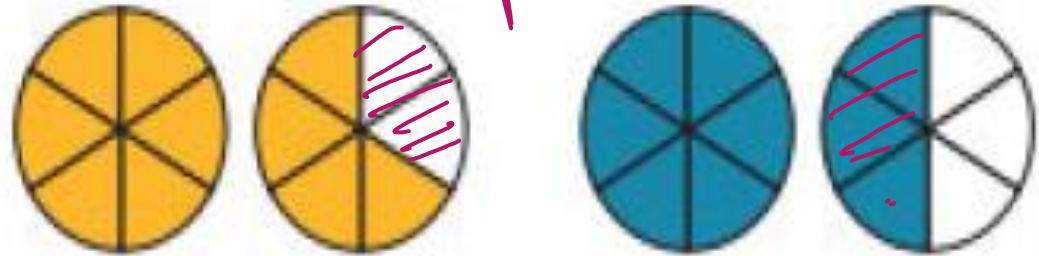


7. Greg has $1\frac{3}{4}$ pounds of peaches. He buys another $3\frac{3}{4}$ pounds of peaches at the store. How many pounds of peaches does Greg have now?

$$1\frac{3}{4} + 3\frac{3}{4} = 4\frac{6}{4} = 4 + \frac{4}{4} + \frac{2}{4} = 5\frac{2}{4}$$

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

8. How can you use the fraction circles to find the sum of $1\frac{4}{6} + 1\frac{3}{6}$?



$$1\frac{4}{6} + 1\frac{3}{6} = 2\frac{7}{6} = 2 + \frac{6}{6} + \frac{1}{6} = 2 + 1 + \frac{1}{6} = 3\frac{1}{6}$$



9. Lynelle has a goal of walking (4) miles each day. Yesterday she walked $2\frac{5}{8}$ miles in the morning and $1\frac{5}{8}$ miles in the evening. Did Lynelle meet her goal yesterday? Use a representation to justify your answer.

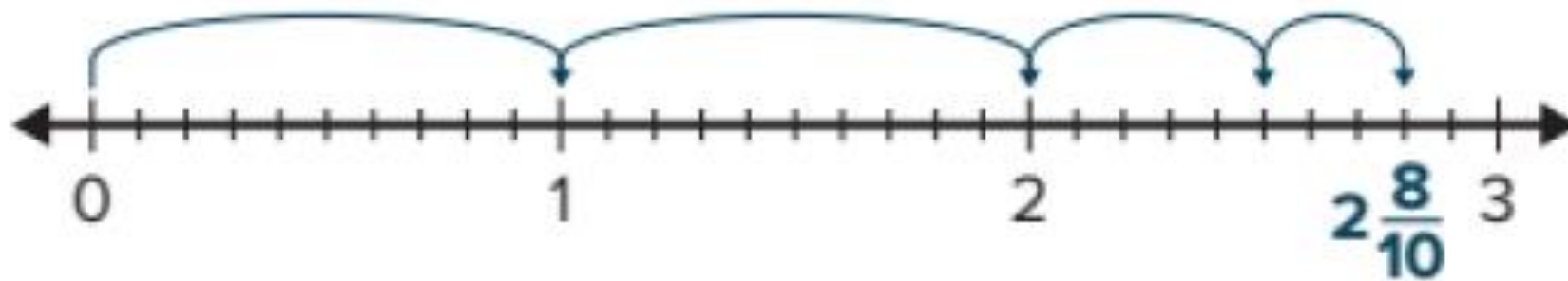
$$2\frac{5}{8} + 1\frac{5}{8} = 3\frac{10}{8} = 3 + \frac{8}{8} + \frac{2}{8}$$
$$= 3 + 1 + \frac{2}{8} = 4\frac{2}{8}$$



10. Tomika spent $1\frac{2}{3}$ hours working on her science project this week. She spent $1\frac{1}{3}$ more hours reading than she did on her science project. How many hours did she spend reading this week?

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

11. Nate used a number line to find the sum of $1\frac{5}{10} + 1\frac{3}{10}$. How can you explain Nate's strategy?



$$1 + 1 + \frac{5}{10} + \frac{3}{10} = 2\frac{8}{10}$$



امتحانات سابقة

Question	13	السؤال	
The number line shows how Alia solved an addition problem involving mixed numbers. What is the addition problem Alia solved?		يوضح خط الأعداد كيف حلّت علياء مسألة جمع تتضمن أعدادًا كسرية. ما هي مسألة الجمع التي حلّتها علياء؟	
A	$1\frac{2}{5} + 1\frac{1}{5} = 2\frac{3}{5}$	C	$2\frac{1}{5} + \frac{2}{5} = 2\frac{3}{5}$
B	$2\frac{2}{5} + \frac{1}{5} = 2\frac{3}{5}$	D	$1\frac{1}{5} + 2\frac{1}{5} = 3\frac{2}{5}$

Question	14	السؤال
What is the missing number?		ما العدد المفقود؟
		$1\frac{2}{5} + 2\frac{4}{5} = \boxed{4}\frac{1}{5}$
A	1	$3\frac{6}{5} = 3 + \frac{5}{5} + \frac{1}{5}$ $= 3 + 1 + \frac{1}{5}$ $4\frac{1}{5}$
B	2	
C	3	
D	4 ✓	



What is the difference? Use a representation to show your work.

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

$$3. \quad 2\frac{7}{8} - 1\frac{3}{8} = \frac{\boxed{1}}{\boxed{8}} \frac{\boxed{4}}{\boxed{8}}$$

$$5. \quad 3\frac{4}{6} - 1\frac{3}{6} = \frac{\boxed{2}}{\boxed{6}} \frac{\boxed{1}}{\boxed{6}}$$



What is the difference? Use a representation to show your work.

$$2. \quad 3\frac{2}{3} - 2\frac{1}{3} = \boxed{1} \frac{\boxed{1}}{\boxed{3}}$$

$$2 + \textcircled{1}$$

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

$$4. \quad \underline{3} - \underline{\underline{\frac{4}{5}}} = \boxed{2} \frac{\boxed{1}}{\boxed{5}} \quad 2\frac{5}{5} - \frac{4}{5} = 2\frac{1}{5}$$

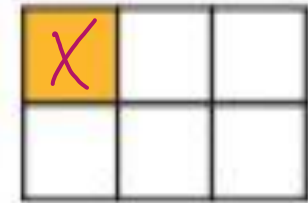
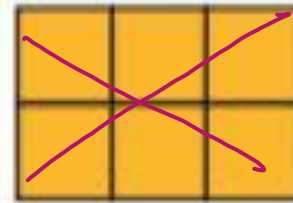
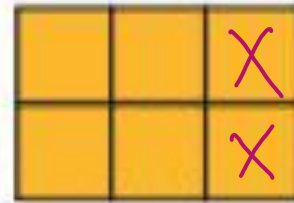
$$6. \quad 3\frac{4}{6} - 1\frac{5}{6} = \boxed{} \frac{\boxed{}}{\boxed{}} \quad 2\frac{10}{6} - 1\frac{5}{6} = 1\frac{5}{6}$$



7. Stella and Darius go to the same school. Stella's house is 5 miles from the school. Darius's house is $3\frac{9}{10}$ miles from the school. How much farther is Stella's house from the school than Darius's house? Use a representation to justify your answer.

$$5 - 3\frac{9}{10} = 4\frac{10}{10} - 3\frac{9}{10} = 1\frac{1}{10}$$

8. How can you use the fraction model to solve $2\frac{1}{6} - 1\frac{3}{6}$?



$$1\frac{7}{6} - 1\frac{3}{6} = \frac{4}{6}$$

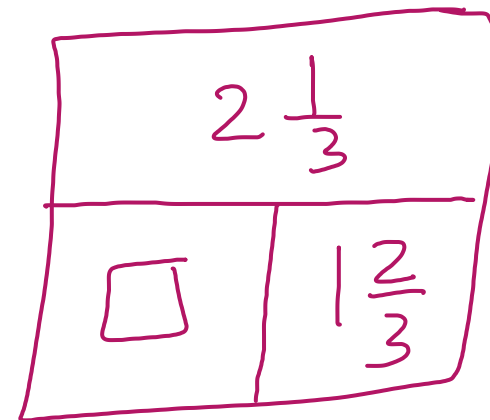


9. Norman has a goal to read $2\frac{1}{3}$ hours this week. He has to read another $1\frac{2}{3}$ hours to reach his goal. How much time has Norman read so far?


صلى الاثر

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

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



امتحانات سابقة

Question	15	السؤال
Use the fraction model to solve		استخدم نموذج الكسر لحل
$2\frac{3}{6} - 1\frac{1}{6} = 1\frac{2}{6}$		$2\frac{3}{6} - 1\frac{1}{6}$
		
A	$1\frac{1}{6}$	
B	$1\frac{2}{6}$ ✓	
C	$\frac{1}{6}$	
D	$\frac{2}{6}$	

Question	20	20	السؤال
What is the difference?			ما الفرق؟
	$5\frac{7}{10} - 3\frac{4}{10} = 2\frac{3}{10}$		$5\frac{7}{10} - 3\frac{4}{10} = \square \frac{\square}{\square}$
A	$2\frac{3}{20}$		
B	$2\frac{3}{10}$ ✓		
C	$8\frac{11}{20}$		
D	$9\frac{1}{10}$		



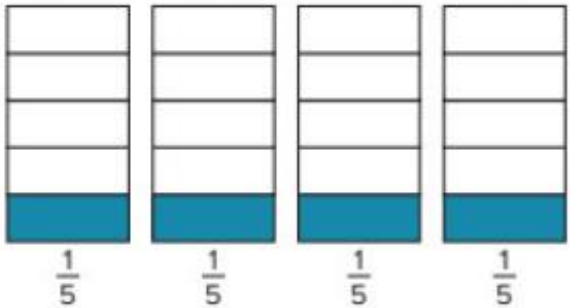
Learn

Tyler makes 4 bowls of fruit salad. He uses $\frac{1}{5}$ pound of strawberries in each bowl.

How many pounds of strawberries does Tyler use?

You can use fraction models to represent the problem.

There are 4 groups with $\frac{1}{5}$ pound strawberries in each group.

**Math is... Connections**

How do the two equations represent the same quantity?

Use repeated addition: $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{4}{5}$

Use multiplication: $4 \times \frac{1}{5} = \frac{4}{5}$

Tyler uses $\frac{4}{5}$ pound of strawberries.

A multiple of a number is a product of that number and another number.

$\frac{4}{5}$ is a multiple of $\frac{1}{5}$, because $4 \times \frac{1}{5} = \frac{4}{5}$.

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



Tanya made 2 fruit pizzas. She uses $\frac{1}{8}$ pound of pineapple slices on each pizza. What is the total weight of the pineapple slices on both pizzas?

$$2 \times \frac{1}{8} = \frac{2 \times 1}{8} = \frac{2}{8}$$



What is the product?

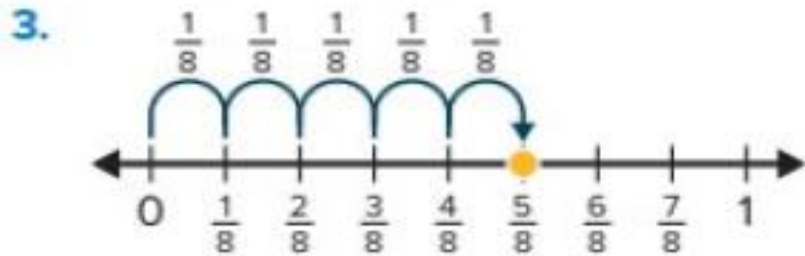


$$3 \times \frac{1}{6} = \frac{3}{6}$$

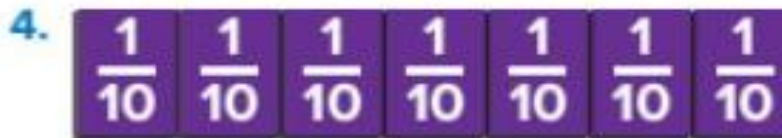


$$4 \times \frac{1}{3} = \frac{4}{3}$$

What is the missing factor?



$$5 \times \frac{1}{8} = \frac{5}{8}$$



$$7 \times \frac{1}{10} = \frac{7}{10}$$



How can you express the fraction as a multiple of a unit fraction?

$$5. \quad \frac{7}{3} = \boxed{7} \times \frac{\boxed{1}}{\boxed{3}}$$

$$6. \quad \frac{5}{2} = \boxed{5} \times \frac{\boxed{1}}{\boxed{2}}$$

What is the product?

$$7. \quad 8 \times \frac{1}{4} = \frac{\boxed{8}}{\boxed{4}}$$

$$8. \quad 9 \times \frac{1}{7} = \frac{\boxed{9}}{\boxed{7}}$$

Explain how you found the product.

$$9. \quad 5 \times \frac{1}{3} = \frac{\boxed{5}}{\boxed{3}}$$

$$10. \quad 6 \times \frac{1}{5} = \frac{\boxed{6}}{\boxed{5}}$$



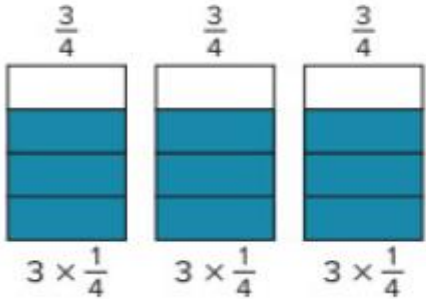
Learn

Erika will make 3 smoothies. Each smoothie needs $\frac{3}{4}$ cup of yogurt.

How much yogurt does Erika need?

You can use a fraction model to represent the problem.

There are 3 groups of $\frac{3}{4}$, or $3 \times \frac{3}{4} = ?$

**Math is... Thinking**

How do the equation and the fraction model show the relationship between the quantities?

$\frac{3}{4}$ written as multiple of a unit fraction

There are $3 \frac{1}{4}$ s in $\frac{3}{4}$. So $3 \times \frac{3}{4}$ can also be represented as

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

There are $\frac{9}{4}$ parts shaded. So $3 \times \frac{3}{4} = \frac{9}{4}$. So, Erika needs $\frac{9}{4}$ cups of yogurt.

A multiple of a fraction can be written as a multiple of a unit fraction.

$$3 \times \frac{3}{4} = 3 \times \left(3 \times \frac{1}{4} \right)$$

$$3 \times \frac{3}{4} = 9 \times \frac{1}{4}$$

$\frac{9}{4}$ is also a multiple of a unit fraction

$$3 \times \frac{3}{4} = \frac{9}{4} \quad \frac{9}{4} \text{ is a multiple of } \frac{3}{4}$$

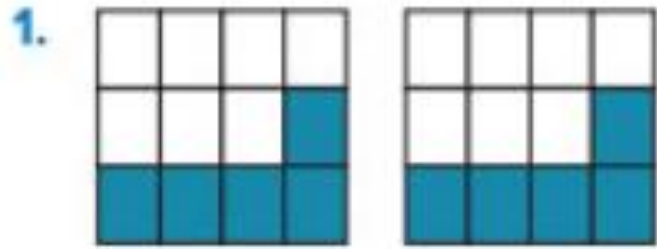
Work Together

Shawn walks $\frac{3}{8}$ mile going to and from school each day. How far does Shawn walk in a 5-day school week? Explain how you know.

$$5 \times \frac{3}{8} = \frac{5 \times 3}{8} = \frac{15}{8}$$



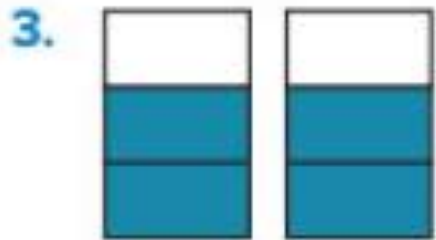
What is the product? Use the fraction model to help solve.



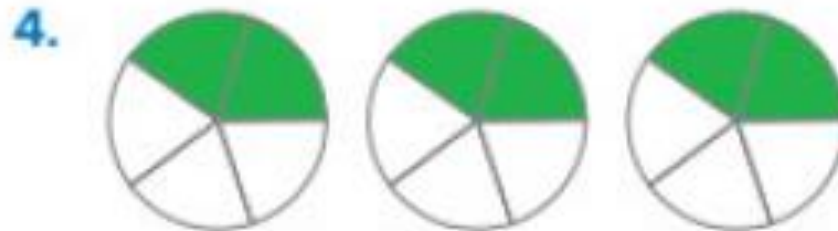
$$2 \times \boxed{5} \times \frac{1}{12} = \frac{\boxed{10}}{\boxed{12}}$$



$$4 \times \boxed{4} \times \frac{1}{8} = \frac{\boxed{16}}{\boxed{8}}$$



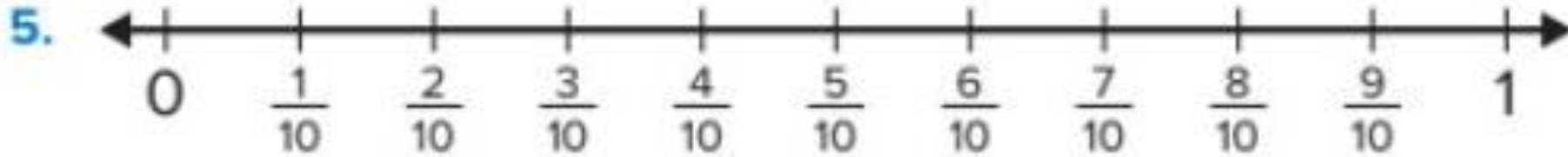
$$2 \times \frac{2}{3} = \frac{\boxed{4}}{\boxed{3}}$$



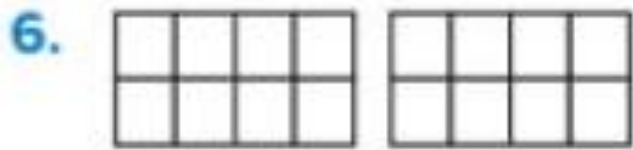
$$3 \times \frac{2}{5} = \frac{\boxed{6}}{\boxed{5}}$$



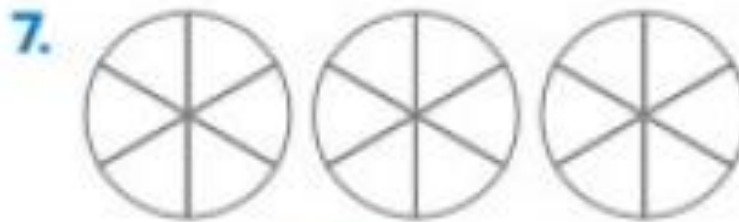
What is the product? Complete the fraction model to help solve.



$$3 \times \frac{3}{10} = \frac{\boxed{9}}{\boxed{10}}$$



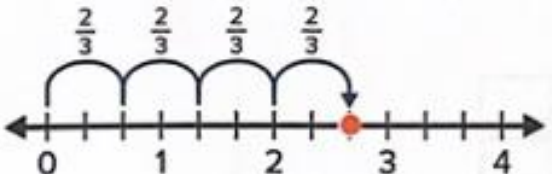
$$2 \times \frac{5}{8} = \frac{\boxed{10}}{\boxed{8}}$$




$$3 \times \frac{4}{6} = \frac{\boxed{12}}{\boxed{6}}$$



امتحانات سابقة

Question	22	السؤال
What is the missing factor?		ما العامل المفقود؟
	 $\boxed{4} \times \frac{2}{3} = \frac{8}{3}$	
A	3	
B	4 ✓	
C	5	
D	8	

Question	23	السؤال
What is the product?		ما ناتج الضرب؟
	 $3 \times \frac{2}{5} = \frac{\boxed{6}}{\boxed{5}}$	
A	$\frac{3}{5}$	
B	$\frac{5}{5}$	
C	$\frac{6}{5}$ ✓	
D	$\frac{5}{3}$	

