مراجعة نهائية وفق الهيكل الوزاري منهج ريفيل

موقع المناهج ⇦ المناهج الإماراتية ⇦ الصف الرابع ⇦ رياضيات ⇦ الفصل الثاني ⇦ ملفات متنوعة ⇦ الملف

تاريخ إضافة الملف على موقع المناهج: 2025-03-02 10:25:44

المزيد من مادة رياضيات:	ملفات ا كتب للمعلم ا كتب للطالب ا اختبارات الكترونية ا اختبارات ا حلول ا عروض بوربوينت ا أوراق عمل منهج انجليزي ا ملخصات وتقارير ا مذكرات وبنوك ا الامتحان النهائي ا للمدرس
	إعداد: Alalwai Noura

التواصل الاجتماعي بحسب الصف الرابع

صفحة المناهج الإماراتية على فيسبوك					
المواد على تلغرام	التربية الاسلامية	اللغة العربية	اللغة الانجليزية	الرياضيات	

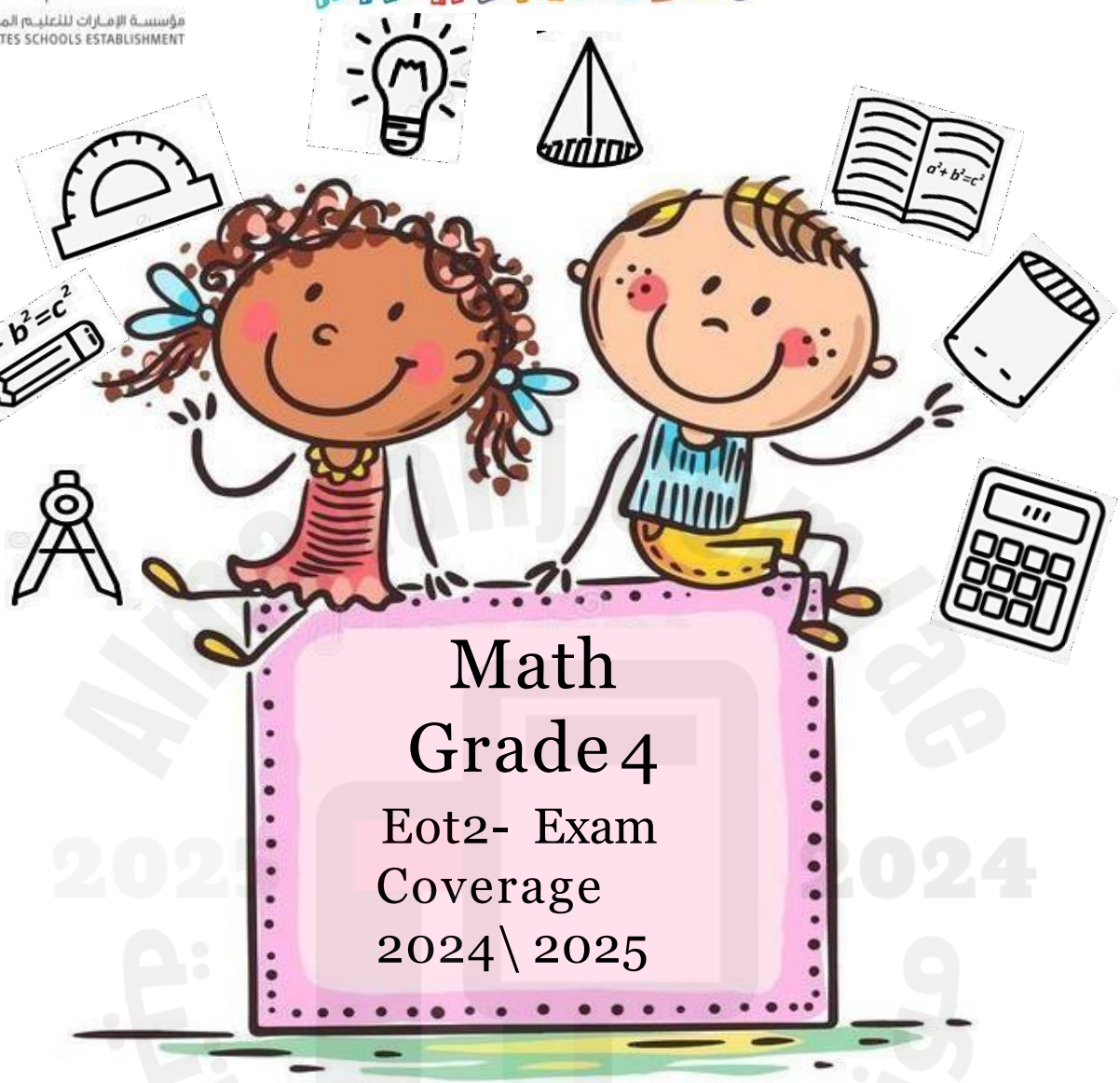
المزيد من الملفات بحسب الصف الرابع والمادة رياضيات في الفصل الثاني

1	نموذج امتحان التقويم الثاني
2	حل تدريبات الدرسين الأول والثاني من الوحدة العاشرة منهج ريفيل
3	حل مراجعة الوحدة الثامنة منهج ريفيل
4	حل تجميعة أسئلة وفق الهيكل الوزاري
5	مراجعة الوحدة الثامنة منهج ريفيل

مؤسسة الإمارات للتعليم المدرسي
EMIRATES SCHOOLS ESTABLISHMENT

Al- Gaith School -C1

MATHEMATICS



Math
Grade 4

Eot2- Exam Coverage
2024\2025

Name:_____

Grade:4_____

Teacher: Noura Alalwai

PART 1

Circle the letter corresponding to the Answer		Total mark(60) 4 marks each	
1	Divide Multiples of 10, 100, and 1,000s	Learn+Work Together	208
		(1-9)	209

Question1	Learn+Work Together	لسؤل
Salem bought 300 seedlings for his garden. He wants to plant an equal number of seedlings in 6 rows. How many seedlings go in each row?		اشترى سالم 300 شتلة لحديقته. يريد زراعة عدد متساو من الشتلات في 6 صفوف. كم عدد الشتلات تذهب في كل صف؟

A		5
B		50
C		500
D		5000

Question1	
1.What is the quotient? *36 tens ÷ 9 = _____tens*	
A	4
B	40
C	400
D	4000

Question1	
2.What is the quotient? *48 hundreds ÷ 6 = _____hundreds*	
A	8
B	80
C	800
D	8000

Question1	
3. What is the quotient? *1,800 ÷ 3 = ----------*	
A	6
B	60
C	600
D	6000

Question1	
4. What is the quotient? *35,000 ÷ 5 = ?*	
A	70
B	700
C	7,000
D	70,000

Question1	

What is the quotient?

560 ÷ 7 = ----------

A	8
B	80
C	800
D	8,000

Question1	

What is the quotient?

360 ÷ 4 = ----------

A	9
B	90
C	900
D	9,000

Question1		السؤال

A bus travels 3,000 miles in 5 days. It travels the same distance each day. How far does the bus travels in one day?

تقطع الحافلة مسافة 3000 ميل في 5 أيام. يقطع نفس المسافة كل يوم. ما هي المسافة التي تقطعها الحافلة في يوم واحد؟

A	6
B	60
C	600
D	6,000

Question1	1L	السؤال

A school orders 420 math textbooks. The textbooks arrive in 6 boxes with an equal number of books in each box. How many books are in each box?

مدرسة تطلب 420 كتابًا مدرسيًا في الرياضيات. تصل الكتب المدرسية في 6 صناديق بعدد متساو من الكتب في كل صندوق. كم عدد الكتب في كل صندوق؟

A	7
B	70
C	700
D	7,000

Question1	1M	السؤال

Naomi reads the same number of pages each day. After 8 days she has read 320 pages. How many pages does she read each day?

تقرأ نعومي نفس عدد الصفحات كل يوم. وبعد 8 أيام قرأت 320 صفحة. كم صفحة تقرأ كل يوم؟

A	4
B	40
C	400
D	4,000

2	Estimate Quotients	Learn+Work Together	212
		(1-11)	213

Question2	Learn+Work Together	لسؤال

A Hardware store owner is putting nuts and bolts in to separate boxes. she divides the nuts equally in to 6 boxes and the bolts equally in to 7 boxes. About how many bolts will go in each boxes?

يقوم صاحب متجر الأجهزة بوضع الصواميل والمسامير في الصناديق المنفصلة. قامت بتقسيم الصواميل بالتساوي إلى 6 صناديق والمسامير بالتساوي إلى 7 صناديق. كم عدد مسامير تقريبًا التي ستوضع في كل صندوق؟

A		30
B		50
C		300
D		500

Question	Learn+Work Together	لسؤال

A Hardware store owner is putting nuts and bolts in to separate boxes. she divides the nuts equally in to 6 boxes and the bolts equally in to 7 boxes. About how many nuts will go in each boxes?

يقوم صاحب متجر الأجهزة بوضع الصواميل والمسامير في الصناديق المنفصلة. قامت بتقسيم الصواميل بالتساوي إلى 6 صناديق والمسامير بالتساوي إلى 7 صناديق. كم عدد صواميل تقريبًا التي ستوضع في كل صندوق؟

A		80
B		90
C		800
D		900

Question2

1. Estimate the quotient .

$342 \div 8 =$

A		20
B		30
C		40
D		60

Question2

2. Estimate the quotient .

$836 \div 9$

A		60
B		70
C		80
D		90

Question2	
3.Estimate product	
2,134 ÷ 7=_____	
A	30
B	300
C	500
D	304 R5

Question2	
4.Estimate product	
5,361 ÷ 6	
A	90
B	870 R1
C	900
D	1000

Question2	
5.How can you estimate a range for the quotient?	
749 ÷ 8	
A	90 to 100
B	80 to90
C	70 to 80
D	60 to 70

Question2	
6.How can you estimate a range for the quotient?	
522 ÷ 7	
A	60 to 70
B	**70 to 80**
C	80 to 90
D	90 to 100

Question2	
7.How can you estimate a range for the quotient?	
3,297 ÷ 8	
A	**400 to500**
B	500 to 600
C	600 to 700
D	700 to 800

Question2	
8.How can you estimate a range for the quotient?	
6,428 ÷ 9	
A	500 to 600
B	600 to 700
C	700 to 800
D	800 to 900

Question2		السؤال
A class collected 323 cans for recycling. They can place only 7 cans in each bag. About how many bags will the class need for their cans?		قام فصل بجمع 323 علبة لإعادة التدوير. يمكنهم وضع 7 علب فقط في كل كيس. ما هو عدد الأكياس التي سيحتاجها الفصل تقريبًا لعلبهم؟
A	**5**	
B	**50**	
C	**500**	
D	**.5000**	

Question2		لسؤل
Jeremy scored a total of 6,128 points playing video games. If he scored about the same number of points in each of his 9 games, about how many points did he score in each game?		سجل جيريمي إجمالي 6128 نقطة أثناء لعب ألعاب الفيديو. إذا سجل نفس عدد النقاط تقريبًا في كل مباراة من مبارياته التسع، فكم عدد النقاط التي سجلها في كل مباراة تقريبًا؟

A		60
B		70
C		700
D		800

Question2		لسؤل
The bowling alley had 397 bowlers over the weekend. There were about 5 bowlers for each lane rental. About how many lane rentals did they have for the weekend?		كان في صالة البولينج 397 لاعبًا خلال عطلة نهاية الأسبوع. كان هناك حوالي 5 لاعبي البولينج لكل حارة مستأجرة. ما هو عدد المسارات التي استأجروها تقريبًا لعطلة نهاية الأسبوع؟

A		8
B		80
C		79
D		79 R2

3	Find Equal Shares	Learn+Work Together	216
		(1-10)	217&218

Question	Learn+Work Together	لسؤل
Shannon uses 52 beads to make 4 bracelets. Each bracelet has the same number of beads. How many beads are in each bracelet?		يستخدم شانون 52 خرزة ليصنع 4 أساور. يحتوي كل سوار على نفس عدد الخرزات. كم عدد الخرزات في كل سوار؟

A		12
B		13
C		14
D		15

3	Find Equal Shares	Learn+Work Together	216
		(1-10)	217&218

Question3	
1. 12 counters are shared equally into 3 groups. There are -------counters in each group. How can you solve the problem?	
A	3
B	4
C	5
D	6

Question3	
2. How can you solve the problem? 25 counters are shared equally into 5 groups. There are---------- counters in each group.	
A	3
B	4
C	5
D	6

Question3	
3. How can you solve the problem? 49 ÷ 7 =--------	
A	6
B	7
C	8
D	9

Question3	
4. How can you solve the problem? 39 ÷ 3 =--------	
A	11
B	12
C	13
D	14

Question3	
5. How can you solve the problem? 66 ÷ 6 =------	
A	10
B	11
C	12
D	13

Question3	
6. How can you solve the problem? 75 ÷ 5 =-------	
A	13
B	14
C	15
D	16

Question3		السؤال
7.bThere are 91 students in the school chorus. The chorus conductor puts 7 students in each row. How many rows of students are there?		**هناك 91 طالبا في المدرسة. يضع قائد المدرسة 7 طلاب في كل صف. كم عدد صفوف الطلاب؟**
A		**12**
B		**13**
C		**14**
D		**15**

Question3		السؤال
8.Four students equally share 68 binder clips. How many binder clips does <u>each</u> student receive?		**أربعة طلاب يتشاركون بالتساوي في 68 مشبكًا. كم عدد مقاطع الموثق التي يحصل عليها كل طالب؟**
A		**17**
B		**16**
C		**15**
D		**14**

Question3		السؤال
9.Sasha scores 96 points in 6 games of basketball. She scores the same number of points in each game. How many points does she score in <u>each</u> game?		سجل ساشا 96 نقطة في 6 مباريات لكرة السلة. إنها تسجل نفس عدد النقاط في كل مباراة. كم عدد النقاط التي سجلتها في كل مباراة؟
A		**14**
B		**15**
C		**16**
D		**17**

Question3		السؤال
10. Raul uses 72 nails to build 3 drawers. He uses the same number of nails for each drawer. How many nails does he use for <u>each</u> drawer?		استخدم راؤول 72 مسمارًا لبناء 3 أدراج. يستخدم نفس عدد المسامير لكل درج. كم عدد المسامير التي يستخدمها في كل درج؟
A		**21**
B		**22**
C		**23**
D		**24**

Question4	Learn+Work Together

How can you use partial quotients to solve the problem?

216 ÷ 9 =?

A		23
B		24
C		33
D		34

Question4	

1.How can you use partial quotients to solve the problem?

136÷ 8 = ?

A		16
B		17
C		18
D		19

Question4	

2.How can you use partial quotients to solve the problem?

114÷ 6 = ?

A		17
B		18
C		19
D		20

Question4	

3. **What is the quotient?**

115 ÷ 5 = ?

A		23
B		24
C		33
D		34

Question4	

4.**What is the quotient?**

105 ÷ 3 = ?

A		24
B		25
C		34
D		35

Question4	

5. **What is the quotient?**

154 ÷ 7**=?**

A		22
B		23
C		32
D		34

Question4	

6. **What is the quotient?**

342 ÷ 9**=?**

A		36
B		37
C		38
D		39

4	Divide 4-Digit Dividends by 1-Digit Divisors	Learn+Work Together	224
		(1-8)	225

Question4		السؤال
7.Will stacked 135 quarters. He put 9 quarters into each stack. How many stacks did he make?		
A	14	
B	15	
C	16	
D	17	

Question4		السؤال
8.Jeremy put 256 baseball cards into 8 binders. Each binder had the same number of baseball cards. How many baseball cards were in each binder?		وضع جيريمي 256 بطاقة بيسبول في 8 مجلدات. كان لكل مجلد نفس العدد من بطاقات البيسبول. كم عدد بطاقات البيسبول الموجودة في كل ملف؟
A	23	
B	24	
C	32	
D	42	

5	Equivalent Fractions	Learn+Work Together	4
		(1-8),6,7,8	5&26

Question5		Question5	
Which fraction is equivalent to $\frac{2}{8}$?		Which fraction is equivalent to $\frac{2}{6}$?	
A	$\frac{1}{2}$	A	$\frac{1}{2}$
B	$\frac{1}{4}$	B	$\frac{2}{4}$
C	$\frac{2}{4}$	C	$\frac{2}{6}$
D	$\frac{1}{8}$	D	$\frac{4}{12}$

Question 5	
Which fraction is equivalent to $\frac{1}{3}$?	
A	$\frac{1}{4}$
B	$\frac{2}{6}$
C	$\frac{3}{5}$
D	$\frac{3}{6}$

Question 5	
Which fraction is equivalent to $\frac{8}{10}$?	
A	$\frac{2}{5}$
B	$\frac{3}{5}$
C	$\frac{4}{5}$
D	$\frac{3}{12}$

Question 5	
Use the representation to find the missing number in the equivalent fractions.	
$\frac{2}{4} = \frac{\square}{8}$ 	
A	2
B	4
C	6
D	8

Question 5	
Use the representation to find the missing number in the equivalent fractions.	
$\frac{8}{12} = \frac{\square}{6}$ 	
A	3
B	4
C	5
D	7

Question 5
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

Question 5
8.Faye and Omar ate the same amount of a small quesadilla. Faye's quesadilla was cut into 4 pieces and Omar's was cut into 8 pieces. How many pieces might they each have eaten? Explain your reasoning

Which fractions are equivalent to $\frac{3}{6}$? Choose all that apply.

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

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

C. $\frac{2}{5}$ 

D. $\frac{6}{12}$ 

E. $\frac{5}{8}$ 

Question 5	
Which fraction is equivalent to $\frac{4}{10}$?	
A	$\frac{2}{5}$
B	$\frac{6}{12}$
C	$\frac{2}{8}$
D	$\frac{4}{5}$

Question 5	
Which fraction are equivalent to *the point on in the number line* ? Choose all that apply 	
A	$\frac{2}{4}$
B	$\frac{2}{3}$
C	$\frac{1}{3}$
D	$\frac{8}{12}$
E	$\frac{8}{12}$
F	$\frac{6}{8}$

6	Generate Equivalent Fractions using Models	Learn+Work Together	8
		(1-8)	9

Question6

What fraction is missing from the pattern?

$$\frac{3}{4}=\frac{6}{8}=\frac{?}{?}=\frac{12}{16}$$

A	$\frac{9}{12}$
B	$\frac{4}{12}$
C	$\frac{5}{10}$
D	$\frac{6}{12}$

Question6

Use the representation to find an equivalent fraction.

$\frac{2}{3}=\frac{\square}{\square}$

A	$\frac{1}{2}$
B	$\frac{1}{4}$
C	$\frac{2}{4}$
D	$\frac{1}{8}$

Question6

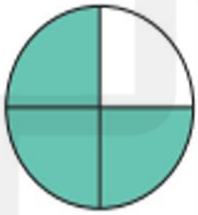
Use the representation to find an equivalent fraction.

$\frac{6}{10}=\frac{\square}{\square}$

A	$\frac{3}{10}$
B	$\frac{3}{5}$
C	$\frac{6}{12}$
D	$\frac{6}{12}$

Question6

Use the representation to find an equivalent fraction.



$\frac{3}{4}=\frac{\square}{\square}$

A	$\frac{2}{8}$
B	$\frac{6}{8}$
C	$\frac{6}{12}$
D	$\frac{9}{10}$

Question6

Use the representation to find an equivalent fraction.

$\frac{4}{5} = \frac{\square}{\square}$

A	$\frac{2}{10}$
B	$\frac{6}{10}$
C	$\frac{8}{9}$
D	$\frac{8}{10}$

Question6

Find the missing number in the equivalent fraction.

$\frac{3}{4} = \frac{75}{\square}$

A	25
B	30
C	50
D	100

Question6

Find the missing number in the equivalent fraction.

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

A	2
B	5
C	8
D	10

Question6

Find the missing number in the equivalent fraction.

$\frac{14}{12} = \frac{\square}{6}$

A	4
B	7
C	9
D	12

Question6

Find the missing number in the equivalent fraction.

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

A	4
B	7
C	9
D	12

7	Generate Equivalent Fractions using Models	Learn+Work Together	16
		(1-8)	17

Question 7	Learn+Work Together

How can you use benchmark numbers to compare $\frac{2}{10}$ and $\frac{4}{5}$?

How can you compare the fractions using benchmark numbers? Write >, <, or = to record the comparison.

1. $\frac{4}{6} \bigcirc \frac{9}{10}$
2. $\frac{6}{12} \bigcirc \frac{4}{8}$
3. $\frac{3}{4} \bigcirc \frac{4}{10}$
4. $\frac{4}{3} \bigcirc \frac{7}{8}$

Question 7	
5.Which fractions are greater than $\frac{7}{12}$? **Choose all that apply.**	
A	$\frac{2}{10}$
B	$\frac{6}{5}$
C	$\frac{3}{6}$
D	$\frac{8}{10}$

Question 7	
6.Which fractions are greater than $\frac{5}{8}$? **Choose all that apply.**	
	$\frac{2}{6}$
	$\frac{3}{2}$
	$\frac{9}{10}$
	$\frac{4}{12}$

Question 7

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?

Question 7

8.Ron is comparing two fractions. He says he knows which fraction is greater by comparing them to benchmark fraction $\frac{1}{2}$. What two fractions could be comparing?

8	Understand Decomposing Fractions	Learn+Work Together	34
		(1-8)	35&36

Question 8

Learn+Work Together

How can you decompose $\frac{5}{6}$ into a sum of three fractions two different ways? Write equations to show your work.

8	Understand Decomposing Fractions	Learn+Work Together	34
		(1-8)	35&36

Question 8

How can you decompose the $\frac{5}{6}$ into unit fractions?

A	$\frac{1}{6}+\frac{2}{6}+\frac{2}{6}+\frac{1}{6}$
B	$\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}$
C	$\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{2}{6}$
D	$\frac{1}{6}+\frac{2}{6}+\frac{2}{6}$

Question 8

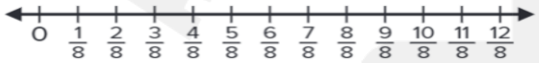
How can you decompose the $\frac{4}{5}$ into unit fractions?

A	$\frac{1}{5}+\frac{1}{5}+\frac{1}{5}+\frac{1}{5}$
B	$\frac{1}{5}+\frac{2}{5}+\frac{1}{5}+\frac{1}{5}$
C	$\frac{1}{5}+\frac{1}{5}+\frac{2}{5}$
D	$\frac{1}{5}+\frac{2}{5}+\frac{2}{5}$

Question 8

Decompose $\frac{12}{8}$ into a sum of 5 fractions.

Use the number line to justify your answer.

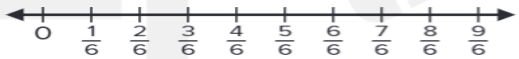


A	$\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{4}{8}+\frac{4}{8}$
B	$\frac{1}{8}+\frac{3}{8}+\frac{4}{8}+\frac{4}{8}$
C	$\frac{1}{8}+\frac{1}{8}+\frac{3}{8}+\frac{3}{8}+\frac{4}{8}$
D	$\frac{2}{8}+\frac{3}{8}+\frac{3}{8}+\frac{4}{8}$

Question 8

Decompose $\frac{9}{6}$ into a sum of 3 fractions.

Use the number line to justify your answer.



A	$\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}$
B	$\frac{1}{6}+\frac{2}{6}+\frac{3}{6}+\frac{3}{6}$
C	$\frac{3}{6}+\frac{3}{6}+\frac{3}{6}$
D	$\frac{2}{6}+\frac{3}{6}+\frac{3}{6}$

Question8 — السؤال

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

A	$\frac{1}{10}+\frac{3}{10}+\frac{3}{10}$	C	$\frac{1}{10}+\frac{1}{10}+\frac{1}{10}+\frac{2}{10}+\frac{2}{10}$
B	$\frac{1}{10}+\frac{2}{10}+\frac{1}{10}+\frac{2}{10}$	D	$\frac{1}{10}+\frac{2}{10}+\frac{2}{10}+\frac{2}{10}$

Question8		السؤال
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?		لدى تريشيا 12/9 من طبق الإفطار المتبقي. إنها تضع الطبق في 3 حاويات. ما هو جزء الطبق الذي كان من الممكن أن تضعه تريشيا في كل حاوية؟

A	$\frac{1}{12}+\frac{3}{12}+\frac{3}{12}$	C	$\frac{1}{10}+\frac{1}{10}+\frac{2}{10}+\frac{2}{10}+\frac{3}{10}$
B	$\frac{3}{12}+\frac{3}{12}+\frac{3}{12}$	D	$\frac{1}{10}+\frac{2}{10}+\frac{3}{10}+\frac{3}{10}$

Question 8	
Amy decomposes a fraction into a sum of fractions. What fraction could Amy have decomposed? $\frac{\square}{\square}=\frac{2}{8}+\frac{1}{8}+\frac{2}{8}$	
A	$\frac{3}{8}$
B	$\frac{4}{8}$
C	$\frac{5}{8}$
D	$\frac{6}{8}$

Question 8	
A family of 4 ate $\frac{7}{12}$ of a lasagna. How much lasagna could each person have eaten?	
A	$\frac{1}{12}+\frac{2}{12}+\frac{2}{12}+\frac{3}{12}$
B	$\frac{1}{12}+\frac{2}{12}+\frac{2}{12}+\frac{2}{12}$
C	$\frac{1}{12}+\frac{2}{12}+\frac{2}{12}+\frac{3}{12}$
D	$\frac{1}{12}+\frac{2}{12}+\frac{3}{12}+\frac{3}{12}$

9	Understand Decomposing Fractions	Learn+Work Together	38
		(1-11)	39&40

Question9	Learn+Work Together	السؤال
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? 		تقول ماسي إنها إذا جمعت العصير في زجاجة واحدة، فسيكون لديها إجمالي 2/1 زجاجة من العصير. كيف يمكنك الرد على ميسي؟

A	$\frac{1}{4}+\frac{1}{4}=\frac{2}{4}=\frac{1}{2}$	C	$\frac{1}{4}+\frac{1}{4}=\frac{1}{8}$
B	$\frac{1}{4}+\frac{1}{4}=\frac{2}{8}$	D	$\frac{1}{4}+\frac{1}{4}=\frac{1}{16}$

Question 9

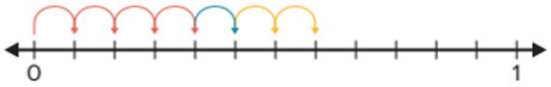
How can you find the sum ?

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

A	$\frac{2}{5}$
B	$\frac{3}{5}$
C	$\frac{4}{5}$
D	$\frac{5}{5}$

Question 9

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



What fractions did Aaron add? What is the sum?

$$\frac{\square}{\square}+\frac{\square}{\square}+\frac{\square}{\square}=\frac{\square}{\square}$$

A	$\frac{4}{7}+\frac{1}{7}+\frac{2}{7}=\frac{7}{7}$
B	$\frac{1}{12}+\frac{1}{12}+\frac{2}{12}+\frac{3}{12}=\frac{7}{12}$
C	$\frac{4}{12}+\frac{1}{12}+\frac{2}{12}=\frac{7}{12}$
D	$\frac{3}{12}+\frac{2}{12}+\frac{2}{12}=\frac{7}{12}$

Question 9

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

$$\frac{5}{12}+\frac{2}{12}+\frac{3}{12}=\frac{\square}{\square}$$

A	$\frac{8}{12}$
B	$\frac{9}{12}$
C	$\frac{10}{12}$
D	$\frac{11}{12}$

Question 9

How can you find the sum?

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

A	$\frac{3}{8}$
B	$\frac{4}{8}$
C	$\frac{5}{8}$
D	$\frac{7}{8}$

Question9

How can you find the sum?

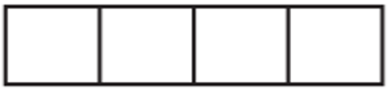
$$\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}=\frac{\square}{\square}$$

A	$\frac{2}{6}$	C	$\frac{3}{6}$
B	$\frac{4}{6}$	D	$\frac{5}{6}$

Question 9

How can you find the sum ?

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



A	$\frac{1}{4}$
B	$\frac{2}{4}$
C	$\frac{3}{4}$
D	$\frac{3}{8}$

Question 9

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?

A	$\frac{10}{12}$
B	$\frac{11}{12}$
C	$\frac{12}{12}$
D	$\frac{11}{24}$

Question9 — السؤال

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

Question 9

How can you find the sum ? Use the number line to represent the equation.

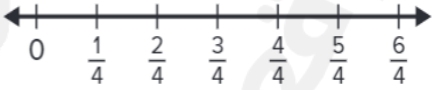
$$\frac{2}{5}+\frac{2}{5}+\frac{2}{5}=\frac{\square}{\square}$$

A	$\frac{6}{15}$
B	$\frac{6}{5}$
C	$\frac{6}{10}$
D	$\frac{8}{5}$

Question 9

How can you find the sum ? Use the number line to represent the equation.

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



A	$\frac{1}{4}$
B	$\frac{6}{4}$
C	$\frac{5}{4}$
D	$\frac{5}{8}$

Question9		السؤال
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?		قبل المدرسة تساقطت الثلوج بكثافة **8/3** بوصة. أثناء المدرسة تساقطت الثلوج بكثافة **8/2** بوصة. بعد المدرسة تساقطت الثلوج بكثافة **8/5** بوصة. كم تساقطت الثلوج؟

A	$\frac{3}{12}+\frac{2}{12}+\frac{5}{12}=\frac{9}{12}$	**C**	$\frac{3}{12}+\frac{2}{12}+\frac{5}{12}=\frac{10}{12}$
B	$\frac{3}{12}+\frac{2}{12}+\frac{5}{12}=\frac{10}{36}$	**D**	$\frac{3}{12}+\frac{2}{12}+\frac{5}{12}=\frac{13}{12}$

10	Subtract Fractions with Like Denominators	Learn+Work Together	50
		(1-10)	51

Question10	Learn+Work Together	السؤال
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. \		**رايان لديه 8/6 كوب من الأرز. ريتا لديها 8/4 كوب من الأرز. من لديه المزيد من الأرز؟ كم أكثر؟ استخدم التمثيلات لشرح إجابتك.**

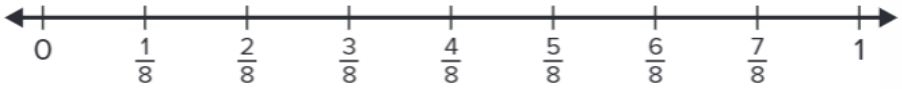
Question10		السؤال
1.Henry's home is $\frac{7}{8}$ mile from school. He stops at the library on his way home. The library is $\frac{4}{8}$ mile from the school. How much farther does Henry need to travel to get home? Use the number line to find the different .\		كان الخزان مملوء بالماء **21/7**. قامت كامرين باستهلاك **21/5** من الخزان. ما مقدار الخزان الذي لا يزال مملوءًا بالماء؟ استخدم خط الأعداد لإيجاد الفرق.

A	$\frac{2}{8}$	**C**	$\frac{4}{8}$
B	$\frac{3}{8}$	**D**	$\frac{11}{8}$

Question10		لسؤال

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.

كان الخزان مملوء بالماء $21/7$. قامت كامرين باستهلاك $21/5$ من الخزان. ما مقدار الخزان الذي لا يزال مملوءًا بالماء؟ استخدم خط الأعداد لإيجاد الفرق.



A	$\frac{2}{12}$	C	$\frac{12}{12}$
B	$\frac{3}{12}$	D	$\frac{35}{12}$

Question 10

What is the difference?

3. $\frac{6}{8} - \frac{2}{8} = \frac{\square}{\square}$

A	$\frac{2}{8}$
B	$\frac{3}{8}$
C	$\frac{4}{8}$
D	$\frac{8}{8}$

Question 10

What is the difference?

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

A	$\frac{3}{12}$
B	$\frac{4}{12}$
C	$\frac{5}{12}$
D	$\frac{26}{12}$

Question 10

What is the difference?

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

A	$\frac{13}{6}$
B	$\frac{4}{6}$
C	$\frac{5}{6}$
D	$\frac{6}{6}$

Question 10

What is the difference?

6. $\frac{7}{8} - \frac{2}{8} - \frac{2}{8} = \frac{\square}{\square}$

A	$\frac{2}{8}$
B	$\frac{3}{8}$
C	$\frac{4}{8}$
D	$\frac{5}{8}$

Question 10

What fraction are you taking away?

7. $\frac{8}{10} - \frac{\square}{\square} = \frac{6}{10}$

A	$\frac{2}{10}$
B	$\frac{3}{10}$
C	$\frac{4}{10}$
D	$\frac{14}{10}$

Question 10

What fraction are you taking away?

8. $\frac{8}{12} - \frac{\square}{\square} = \frac{5}{12}$

A	$\frac{3}{12}$
B	$\frac{4}{12}$
C	$\frac{5}{12}$
D	$\frac{13}{12}$

Question 10

What fraction are you taking away?

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

A	$\frac{1}{5}$
B	$\frac{2}{5}$
C	$\frac{3}{5}$
D	$\frac{4}{5}$

Question 10

What fraction are you taking away?

10. $\frac{9}{12} - \frac{2}{12} - \frac{\square}{\square} = \frac{4}{12}$

A	$\frac{2}{12}$
B	$\frac{3}{12}$
C	$\frac{6}{12}$
D	$\frac{7}{12}$

11	Understand Decomposing Mixed Numbers	Learn+Work Together	68
		(1-6),7,12	69&95

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

Question 11

How can you decompose the mixed number? Write equations to represent the decomposition.

$2\frac{3}{5}$

A	$1+2+\frac{3}{5}$
B	$\frac{5}{5}+\frac{5}{5}+\frac{3}{5}$
C	$\frac{2}{5}+\frac{5}{5}+\frac{3}{5}$
D	$1+1+\frac{5}{5}+\frac{3}{5}$

Question 11

How can you decompose the mixed number? Write equations to represent the decomposition.

$1\frac{2}{3}$

A	$\frac{3}{3}+\frac{1}{3}$
B	$\frac{1}{3}+\frac{3}{3}+\frac{2}{3}+\frac{1}{3}$
C	$\frac{1}{3}+\frac{1}{3}+\frac{1}{3}+\frac{1}{3}$
D	$\frac{1}{3}+\frac{1}{3}+\frac{1}{3}+\frac{1}{3}+\frac{1}{3}$

Question 11

How can you decompose the mixed number? Write equations to represent the decomposition.

$3\frac{1}{4}$

A	$3+\frac{1}{4}+\frac{1}{4}$
B	$1+1+1+\frac{1}{4}$
C	$\frac{1}{4}+\frac{1}{4}+\frac{4}{4}+\frac{4}{4}$
D	$\frac{1}{4}+\frac{4}{4}+\frac{4}{4}+\frac{4}{4}+\frac{4}{4}$

Question 11

How can you decompose the mixed number? Write equations to represent the decomposition.

$2\frac{1}{2}$

A	$\frac{2}{2}+\frac{1}{2}$
B	$\frac{2}{2}+\frac{2}{2}+\frac{1}{2}$
C	$\frac{1}{2}+\frac{1}{2}+\frac{1}{2}+\frac{1}{2}$
D	$\frac{1}{2}+\frac{2}{2}+\frac{1}{2}$

Question 11

What fraction is equivalent to $5\frac{2}{3}$?

A	$\frac{7}{3}$
B	$\frac{10}{3}$
C	$\frac{13}{3}$
D	$\frac{17}{3}$

Question 11

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?

A	$\frac{11}{3}$
B	$4\frac{1}{2}$
C	$5\frac{1}{2}$
D	$6\frac{1}{2}$

Question 11

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

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

A	$1+2+1+\frac{1}{2}$
B	$2+2+1+\frac{1}{2}$
C	$\frac{2}{2}+\frac{2}{2}+\frac{2}{2}+\frac{1}{2}$
D	$1+1+\frac{1}{2}+\frac{1}{2}$

Question 11

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

A. $2+\frac{7}{4}$

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

Question 11

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. $1\frac{4}{5}$

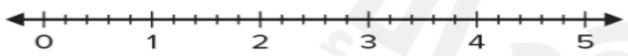
C. $2\frac{1}{5}$

D. $2\frac{4}{5}$

12	Represent Adding Mixed Numbers	Learn+Work Together	72
		(1-11)	73&74

Question12 — Learn+Work Together — لسؤل

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 the number line to represent



ركب كايل دراجته 2 3/5 ميل في الصباح و1 4/5 ميل في فترة ما بعد الظهر. ما المسافة التي قطعها كايل أثناء النهار؟ استخدم خط الأعداد لتمثيل المشكلة وحلها

A	$3\frac{2}{5}$	C	$3\frac{3}{5}$
B	$4\frac{2}{5}$	D	$4\frac{3}{5}$

Question 12

What is the sum?

1. $1\frac{2}{5}+2\frac{2}{5}=$ ☐ $\frac{\square}{\square}$

A	$3\frac{3}{5}$
B	$3\frac{4}{5}$
C	$4\frac{3}{5}$
D	$3\frac{4}{10}$

Question 12

What is the sum?

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

A	$3\frac{4}{4}$
B	$3\frac{5}{8}$
C	$4\frac{1}{4}$
D	$5\frac{3}{4}$

Question 12

What is the sum?

3. $1\frac{6}{12}+1\frac{4}{12}=$ ☐ $\frac{\square}{\square}$

A	$2\frac{9}{12}$
B	$2\frac{10}{12}$
C	$10\frac{2}{12}$
D	$2\frac{10}{24}$

Question 12

What is the sum?

4. $2\frac{5}{8}+1\frac{7}{8}=$ ☐ $\frac{\square}{\square}$

A	$2\frac{12}{8}$
B	$4\frac{12}{8}$
C	$4\frac{4}{8}$
D	$4\frac{4}{16}$

Question 12

What is the sum?

5. $1\frac{7}{10}+1\frac{9}{10}=$ ☐ $\frac{\square}{\square}$

A	$2\frac{15}{10}$
B	$6\frac{3}{10}$
C	$3\frac{6}{10}$

Question 12

What is the sum?

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

A	$5\frac{3}{6}$
B	$3\frac{5}{6}$
C	$3\frac{5}{12}$

Question	12	لسؤال
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?		7. لدى جريج رطل واحد من الخوخ. اشترى 3 4/3 أرطال أخرى من الخوخ من المتجر. كم رطل من الخوخ يملك جريج الآن؟

A	$4\frac{2}{4}$	C	$5\frac{2}{4}$
B	$6\frac{2}{4}$	D	$4\frac{6}{8}$

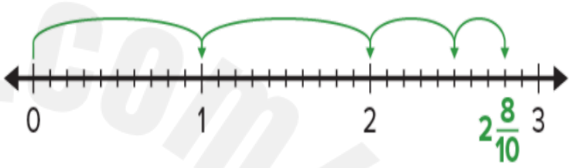
Question	12	لسؤال
8. How can you use the fraction circles to find the sum of $1\frac{4}{6} + 1\frac{3}{6}$?		

A	$3\frac{2}{6}$	C	$\frac{19}{6}$
B	$2\frac{3}{6}$	D	$2\frac{5}{6}$

Question	12	لسؤال
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?		9. هدف لينيل هو المشي مسافة 4 أميال كل يوم. سارت بالأمس مسافة 2 8/5 ميل في الصباح و1 8/5 ميل في المساء. هل حققت لينيل هدفها بالأمس؟

Question	12	السؤال
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?		أمضت توميكا 1 2\3ساعة في العمل على مشروعها العلمي هذا الأسبوع. لقد أمضت 1 1\3ساعة في القراءة "أكثر مما قضته في مشروعها العلمي. كم ساعة قضتها في القراءة هذا الأسبوع؟

A	$2\frac{2}{3}$	C	$3\frac{2}{3}$
B	3	D	$4\frac{6}{8}$

Question	12	السؤال
11. The number line shows howNate solved an addition problem involving mixed numbers. What is the addition problem Nate solved?		

A	$1\frac{5}{10}+1\frac{3}{10}=2\frac{8}{10}$	C	$2\frac{5}{10}+1\frac{3}{10}$
B	$1\frac{5}{10}+\frac{3}{10}=2\frac{8}{10}$	D	$1\frac{5}{10}+1\frac{3}{10}=8\frac{2}{10}$

13	Represent Subtracting Mixed Numbers	(1-9)	81

Question 13	
What is the difference? 1. $4\frac{2}{4}-3\frac{3}{4}=\frac{\square}{\square}$	
A	$\frac{3}{5}$
B	$\frac{3}{4}$
C	$1\frac{1}{4}$
D	$1\frac{2}{4}$

Question 13	
What is the difference? 2. $3\frac{2}{3}-2\frac{1}{3}=\square\frac{\square}{\square}$	
A	$1\frac{1}{3}$
B	$1\frac{2}{3}$
C	$5\frac{1}{3}$
D	$5\frac{2}{3}$

Question 13

What is the difference?

3. $2\frac{7}{8} - 1\frac{3}{8} = \square \frac{\square}{\square}$

A	$\frac{4}{8}$
B	$1\frac{4}{8}$
C	$1\frac{4}{5}$
D	$3\frac{4}{8}$

Question 13

What is the difference?

4. $3 - \frac{4}{5} = \square \frac{\square}{\square}$

A	$\frac{1}{5}$
B	$1\frac{1}{5}$
C	$2\frac{1}{5}$
D	$3\frac{1}{5}$

Question 13

What is the difference?

5. $3\frac{4}{6} - 1\frac{3}{6} = \square \frac{\square}{\square}$

A	$1\frac{1}{6}$
B	$2\frac{1}{6}$
C	$2\frac{2}{6}$
D	$2\frac{3}{12}$

Question 13

What is the difference?

6. $3\frac{4}{6} - 1\frac{5}{6} = \square \frac{\square}{\square}$

A	$2\frac{1}{6}$
B	$2\frac{12}{6}$
C	$1\frac{5}{6}$
D	$2\frac{5}{6}$

Question13

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.

A	$2\frac{9}{10}$
B	$2\frac{1}{10}$

السؤال

.ستيلا وداريوس يذهبان إلى نفس المدرسة. يقع منزل ستيلا على بعد 5 أميال من المدرسة. يقع منزل داريوس على بعد 3 01/9 أميال من المدرسة. كم يبعد منزل ستيلا عن المدرسة عن منزل داريوس؟ استخدم التمثيل لتبرير إجابتك.

C	$1\frac{1}{10}$
D	$3\frac{1}{10}$

Question13		السؤال

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

A	$\frac{2}{6}$	C	$\frac{4}{6}$
B	$1\frac{2}{6}$	D	$1\frac{4}{6}$

Question13		السؤال

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?.*

9. نورمان لديه هدف القراءة 2 3/1 ساعة هذا الأسبوع. عليه أن يقرأ 1 3/2 ساعة أخرى للوصول إلى هدفه. كم من الوقت قرأ نورمان حتى الآن؟

A	$1\frac{1}{3}$	C	$\frac{2}{3}$
B	4	D	$1\frac{2}{3}$

14	Represent Multiplication of a unit fraction by whole	Learn+Work Together	102
		(1-10)	103

Question14	Learn+Work Together	السؤال

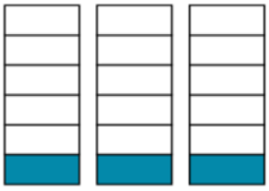
Tanya made 2 fruit pizzas. She uses $\frac{1}{8}$ pound of pineapple slices on each pizza. What is the total weight of the pineapple slices on both pizzas?

أعدت تانيا 2 بيتزا فواكه. تستخدم 8/1 رطلًا من شرائح الأناناس في كل بيتزا. ما الوزن الإجمالي لشريحتي الأناناس في قطعتي البيتزا؟

A	$\frac{1}{8}$	C	$\frac{2}{8}$
B	$\frac{3}{8}$	D	$\frac{4}{8}$

Question 14

What is the product?

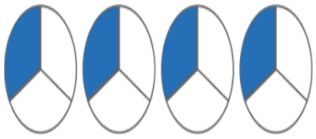


$3 \times \frac{1}{6} = \frac{\square}{6}$

A	2
B	3
C	4
D	18

Question 14

What is the product?

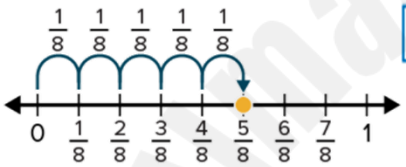


$4 \times \frac{1}{3} = \frac{\square}{3}$

A	2
B	3
C	4
D	18

Question 14

What is the missing factor?



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

A	3
B	4
C	5
D	6

Question 14

What is the missing factor?

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

A	$\frac{1}{10}$
B	$\frac{2}{10}$
C	$\frac{7}{10}$
D	$\frac{70}{10}$

Question 14

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

5. $\frac{7}{3} = \square \times \frac{\square}{\square}$

A	$3 \times \frac{7}{3}$
B	$7 \times \frac{1}{3}$
C	$3 \times \frac{1}{7}$
D	$7 \times \frac{2}{3}$

Question 14

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

6. $\frac{5}{2} = \square \times \frac{\square}{\square}$

A	$2 \times \frac{5}{2}$
B	$3 \times \frac{1}{5}$
C	$5 \times \frac{1}{2}$
D	$5 \times \frac{2}{3}$

Question 14

*What is the **product**?*

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

A	$\frac{4}{8}$
B	$\frac{8}{3}$
C	$\frac{8}{4}$
D	$\frac{8}{32}$

Question 14

*What is the **product**?*

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

A	$\frac{6}{7}$
B	$\frac{9}{7}$
C	$\frac{10}{7}$
D	$\frac{9}{63}$

Question 14

*What is the **product**?*

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

A	$\frac{3}{5}$
B	$\frac{5}{3}$
C	$\frac{15}{3}$
D	$\frac{6}{3}$

Question 14

*What is the **product**?*

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

A	$\frac{6}{5}$
B	$\frac{7}{5}$
C	$\frac{5}{6}$
D	$\frac{8}{30}$

15	Understand Multiplying	Learn+Work Together	106
		(1-7)	107

Question15 — Learn+Work Together — السؤال

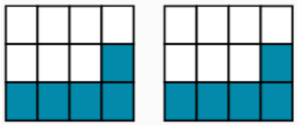
Shawn walks $\frac{3}{8}$ mile going to and from school each day. How far does Shawn walk in a 5-day school week??

يمشي شون مسافة **8/3** ميلًا ذهابًا وإيابًا من المدرسة كل يوم. إلى أي مدى يمشي شون في أسبوع دراسي مدته 5 أيام؟؟

A	$\frac{15}{3}$	C	$1\frac{7}{9}$
B	$1\frac{7}{8}$	D	$7\frac{1}{8}$

Question 15

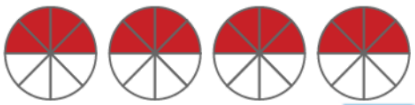
What is the product? Use the fraction model to help solve?



$2 \times \square \times \frac{1}{12} = \frac{\square}{\square}$

Question 15

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

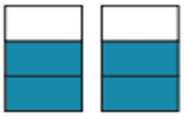


$4 \times \square \times \frac{1}{8} = \frac{\square}{\square}$

Question 15

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

3.



$2 \times \frac{2}{3} = \frac{\square}{\square}$

A	$\frac{3}{4}$
B	$\frac{6}{4}$
C	$\frac{4}{3}$
D	$\frac{4}{6}$

Question 15

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

4.

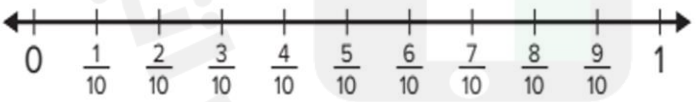
$3 \times \frac{2}{5} = \frac{\square}{\square}$

A	$\frac{6}{7}$
B	$\frac{6}{5}$
C	$\frac{6}{15}$
D	$\frac{5}{15}$

Question 15

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

5.



$3 \times \frac{3}{10} = \frac{\square}{\square}$

A	$\frac{6}{10}$
B	$\frac{6}{30}$
C	$\frac{9}{10}$
D	$\frac{9}{30}$

Question 15

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

6.

$$2 \times \frac{5}{8} = \frac{\square}{\square}$$

A	$\frac{7}{8}$
B	$\frac{10}{5}$
C	$\frac{10}{8}$
D	$\frac{16}{8}$

Question 15

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

7.

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

A	$\frac{12}{6}$
B	$\frac{6}{12}$
C	$\frac{7}{6}$
D	$\frac{12}{18}$

Part 2			
SNumber of FRQ (Written questions) 5 **(16-20) Marks per(6-11)**			
16	Understand Remainders	**Learn+Work Together**	228
		(1-10)	**229&230**

Avery's school purchased 7,220 books for the students. If each student receives 6 books, how many books will be left over? Use the partial quotients algorithm to solve the problem.

What is the quotient? Use the partial quotients to solve.

1. 415 ÷ 2 = _____ R _____

$$\begin{array}{r} 415 \\ -\ 200 \\ \hline 215 \\ -\ 200 \\ \hline 15 \\ -\ 14 \\ \hline 1 \end{array} \quad \begin{array}{l} \\ (2 \times 100) \\ \\ (2 \times 100) \\ \\ (2 \times 7) \\ \end{array}$$

2. 5,044 ÷ 5 = _____ R _____

$$\begin{array}{r} 5,044 \\ -\ 5,000 \\ \hline 44 \\ -\ 40 \\ \hline 4 \end{array} \quad \begin{array}{l} \\ (5 \times 1{,}000) \\ \\ (5 \times 8) \\ \end{array}$$

What is the quotient and the remainder? Use partial quotients to solve.

3. 929 ÷ 3 = _____

4. 119 ÷ 4 = _____

5. 3,225 ÷ 8 = _____

6. 8,254 ÷ 5 = _____

Solve the problem.

8. A restaurant has $609 to buy cups. If each box of cups costs $9, how many boxes can the restaurant purchase? How much money will be left over?

9. A party planner has 275 balloons for a party. How many tables can he have with 6 balloons on each table? How many balloons will be left over?

10. George has $20 and wants to buy snow cones for his friends. The snow cones are $3 each. How many snow cones can he buy? How much money will he have left?

17	Other Ways to Compare Factions	Learn+Work Together	20
		(1-8)	21
		11,12,13,14,15	27

Hannah ate $\frac{3}{4}$ of a small apple. Her brother ate $\frac{7}{12}$ of a large apple. Hannah says she ate more than her brother because $\frac{3}{4} = \frac{9}{12}$ and $\frac{9}{12} > \frac{7}{12}$. How would you respond to Hannah?

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

1. $\frac{3}{5} \bigcirc \frac{8}{10}$

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

3. $\frac{4}{12} \bigcirc \frac{2}{5}$

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

5. $\frac{2}{4} \bigcirc \frac{5}{10}$

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

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.

8. Klaya compares two fractions. She writes one of the fractions as an equivalent fraction so the fractions have like denominators. What fractions might Klaya be comparing? Explain your reasoning.

11. Match each fraction to the benchmark number it is closest to. (Lesson 8-4)

Closest to 0	$\frac{2}{4}$
	$\frac{2}{10}$
Closest to $\frac{1}{2}$	$\frac{3}{5}$
	$\frac{1}{8}$
Closest to 1	$\frac{5}{6}$
	$\frac{7}{8}$

12. Complete the comparisons using $>$, $<$, and $=$. (Lessons 8-4, 8-5)

$\frac{3}{4} \bigcirc \frac{10}{12}$

$\frac{2}{6} \bigcirc \frac{4}{5}$

$\frac{7}{8} \bigcirc \frac{6}{10}$

13. Which fractions are greater than $\frac{3}{8}$? Choose all that apply. (Lessons 8-4, 8-5)

A. $\frac{1}{6}$ B. $\frac{1}{4}$

C. $\frac{2}{3}$ D. $\frac{4}{5}$

E. $\frac{2}{12}$ F. $\frac{5}{10}$

14. Tonya reads $\frac{5}{8}$ of the book. Christina reads $\frac{3}{4}$ of the same book.

Part A. Who read more of the book? Explain your reasoning. (Lesson 8-5)

Part B. By the end of the following week, Tonya read $\frac{9}{12}$ of the book. Christina did not have time to read any more of the book. How does the amount Tonya read compare to the amount Christina read? Explain your reasoning. (Lesson 8-5)

15. Gilda plants tomatoes in $\frac{3}{10}$ of her garden and lettuce in $\frac{2}{5}$ of her garden. Did Gilda plant more tomatoes or lettuce in her garden? Explain your answer.

18	a)Add Fractions with Like Denominators b)Represent Subtracting Fractions	Learn+Work Together	42
		(1-11)	43
		(1-11)	47&48

What two fractions can you add to get a sum of $\frac{6}{10}$?
Use representations to explain your answer.

What is the sum? Create a representation to find the sum.

1. $\frac{3}{5} + \frac{3}{5} = \frac{\square}{\square}$

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

What is the missing value? Complete the equation.

3. $\frac{2}{3} + \frac{3}{3} = \frac{\square}{3}$

4. $\frac{2}{10} + \frac{6}{10} = \frac{8}{\square}$

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

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

7. $\frac{\square}{\square} + \frac{4}{6} = \frac{5}{6}$

8. $\frac{5}{12} + \frac{\square}{\square} = \frac{8}{12}$

9. Anu has $\frac{1}{6}$ meter of wire. She buys $\frac{3}{6}$ meter more. How much wire does Anu have now?

10. James swims part of a mile using the freestyle stroke. He uses the backstroke for $\frac{3}{5}$ mile. If he swims $\frac{4}{5}$ mile in all, how far did James swim using the freestyle stroke?

11. A class sets a goal to collect money for a local charity. They collect $\frac{2}{10}$ of their goal the first week. fter the second week, they had collected $\frac{6}{10}$ of the total goal. How much of their goal did the class collect in the second week?

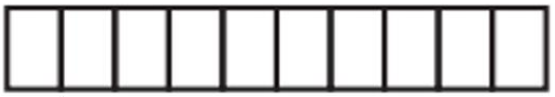
1. The park is $\frac{9}{10}$ mile from Ms. Rydal's house. She walks $\frac{3}{10}$ mile and rests on a bench. How much farther does Ms. Rydal have to walk to reach the park? Draw a picture to show your thinking.

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

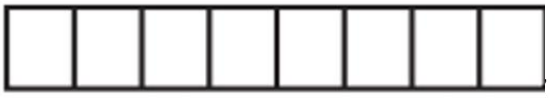
2. $\frac{3}{4} - \frac{1}{4} = \frac{\square}{\square}$

3. $\frac{4}{6} - \frac{2}{6} = \frac{\square}{\square}$

4. $\frac{5}{10} - \frac{3}{10} = \frac{\square}{\square}$



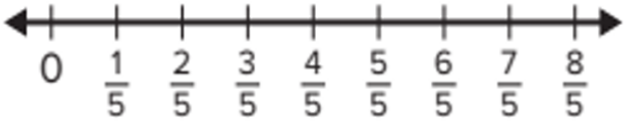
5. $\frac{6}{8} - \frac{3}{8} = \frac{\square}{\square}$



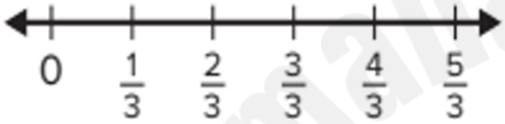
How can you find the difference? Use the number line to represent the equation.

6. $\frac{7}{6} - \frac{1}{6} = \frac{\square}{\square}$

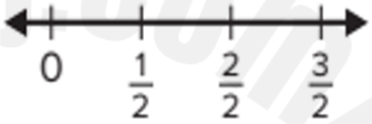
7. $\frac{8}{5} - \frac{4}{5} = \frac{\square}{\square}$



8. $\frac{5}{3} - \frac{2}{3} = \frac{\square}{\square}$



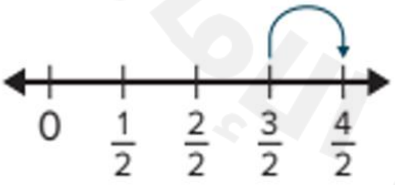
9. $\frac{3}{2} - \frac{1}{2} = \frac{\square}{\square}$



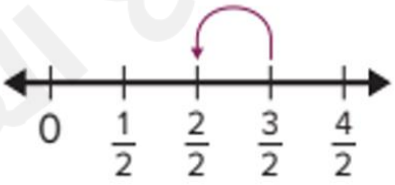
10. Error analysis Jackson has $\frac{3}{4}$ liter of water in his water bottle. He drinks some of the water during soccer practice. There is $\frac{1}{4}$ liter of water left in his water bottle. He thinks he drank more than half a liter. Do you think Jackson is correct? Draw a picture to show your thinking.

11. Which representation shows $\frac{3}{2} - \frac{1}{2}$?

A.



B.



C.

D.

19	Subtract Mixed Numbers	Learn+Work Together	84
		(1-9)	85

Joseph has a piece of plywood that is $4\frac{1}{4}$ feet long. He cuts off a piece that is $2\frac{3}{4}$ feet long. How long is the remaining piece of plywood? Explain your strategy.

What is the difference?

1. $4\frac{10}{12} - 2\frac{3}{12} = \square\frac{\square}{\square}$

2. $3\frac{1}{8} - 1\frac{5}{8} = \square\frac{\square}{\square}$

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

4. $4 - \frac{8}{10} = \square\frac{\square}{\square}$

5. $3\frac{1}{4} - \frac{2}{4} = \square\frac{\square}{\square}$

6. $4\frac{2}{6} - \frac{3}{6} = \square\frac{\square}{\square}$

7. A rug is $9\frac{5}{12}$ feet long and $6\frac{1}{12}$ feet wide. How many feet longer is the length than the width? Explain how you found your answer.

8. **Error Analysis** Christy solved $3\frac{2}{8} - 2\frac{7}{8} = ?$ and got a solution of $1\frac{5}{8}$. How can you help Christy understand her solution is not reasonable?

9. Jon mixes $1\frac{3}{4}$ cups of strawberries with some blueberries in a bowl. There are $3\frac{1}{4}$ cups of fruit in the bowl. How many cups of blueberries are in the bowl? Explain how you found your answer.

20	Multiply a Fraction by a Whole Number	(1-7)	111
		(1-7)	115

What is the product? Complete the equation.

1. $3 \times \frac{2}{8} = 3 \times 2 \times \frac{1}{8}$

$= 6 \times \frac{1}{8}$

$= \frac{\square}{8}$

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

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

$= \frac{\square}{5}$

What is the product? Complete the equation.

3. $2 \times \frac{2}{3} = \square \times 2 \times \frac{\square}{\square}$

$= \frac{\square}{\square}$

4. $3 \times \frac{3}{6} = \square \times 3 \times \frac{\square}{\square}$

$= \frac{\square}{\square}$

5. $5 \times \frac{2}{12} = \frac{\square}{\square}$

6. $2 \times \frac{3}{10} = \frac{\square}{\square}$

7. Helen combines 5 bags of seeds to make bird food. Each bag contains $\frac{3}{4}$ pound. How many pounds of bird food will she have?

What is the product? Complete the equation.

1. $3 \times 2\frac{1}{2} = 3 \times \left(2 + \frac{\square}{\square}\right)$

$= (3 \times 2) + \left(3 \times \frac{\square}{\square}\right)$

$= 6 + \frac{\square}{\square}$

$= 7\frac{\square}{\square}$

2. $4 \times 3\frac{2}{3} = 4 \times \left(3 + \frac{\square}{\square}\right)$

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

$= 12 + \frac{\square}{\square}$

$= 14\frac{\square}{\square}$

3. $2 \times 1\frac{2}{5} = \square \times \frac{\square}{5}$

$= \frac{\square}{5}$

$= 2\frac{\square}{5}$

4. $2 \times 2\frac{3}{8} = \square \times \frac{\square}{8}$

$= \frac{\square}{8}$

$= 4\frac{\square}{8}$

5. $3 \times 1\frac{2}{12} = \square\frac{\square}{\square}$

6. $2 \times 4\frac{3}{10} = \square\frac{\square}{\square}$

7. **STEM Connection** Saffron uses $3\frac{3}{8}$ cups of flou to bake a loaf of bread. How much flour does sh need to bake 5 loaves?