

تم تحميل هذا الملف من موقع المناهج الإماراتية



الملف أوراق عمل الوحدة الثامنة الدروس الأولى بالإنجليزية

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روابط مواقع التواصل الاجتماعي بحسب الصف الرابع



روابط مواد الصف الرابع على تلغرام

[الرياضيات](#)

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المزيد من الملفات بحسب الصف الرابع والمادة رياضيات في الفصل الثاني

[كل ما يخص الاختبار التكويني لمادة الرياضيات للصف الرابع يوم الأحد 9/2/2020](#)

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## LESSON 1 ... Factors and multiples

(الهدف) Outcomes: The 2 factors that are multiplied together are **factor pairs**

**Factors** : The numbers that are multiplied to get a given number

#Example: Find factor pairs of each number

16	23	65
.....1 and 16	.....1 and 23	.....1 and 65
.....2 and 8		.....5 and 13
.....4 and 4		

**Multiples** : The numbers you say when you skip-count by given number

Multiples 6 : 6 , 12 , 18 , 24 , 30 , 36 , ...

#Example: write yes or no نقسم قسمة مطولة

Is 75 is multiple of 5 ? **yes** بشروط عدم وجود

Is 60 is multiple of 4 ? **yes** باقي R أو بكتابة

Is 33 is multiple of 2 ? **no** المضاعفات

**Q1** : Find the **factor pairs** of each number:

70	53	93	76	23
..... and .....	..... and .....	..... and .....	..... and .....	..... and .....
..... and .....		..... and .....	..... and .....	
..... and .....			..... and .....	
..... and .....				

**Q2** : **Choose** the correct answer :

- 1) Which is the factor pair of 48 ?
 

a) 2 and 24	b) 2 and 12	c) 2 and 14
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- 2) Which is the factor pair of 36 ?
 

a) 2 and 16	b) 3 and 12	c) 4 and 12
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- 3) The Number 27 is multiple of :
 

a) 2	b) 3	c) 4
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نكتب المضاعفات
- 4) The Number 64 is multiple of :
 

a) 6	b) 5	c) 4
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أو نقسم
- 5) Khaled is counting by 8 , which of these numbers will not say :
 

a) 56	b) 72	c) 84
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There are 49 snacks on a tray. Draw one possible array that can be made.



List all the factor pairs of 49.

## LESSON 2 ... Prime and Composite numbers

(الهدف) Outcomes: Use factors to determine a number is **(Prime ,Composite ,Neither)**

### Prime number

**only 2 factor, 1 and itself**

Example : 2,3,5,7,11,13,...

$$2 : 1 \times 2$$

$$31 : 1 \times 31$$

$$5 : 1 \times 5$$

$$23 : 1 \times 23$$

## Factors

### Neither (1)

**has only 1 factor**

### Composite number

**More than 2 factors**

Example : 4,6,8,9,10,12,14,15,....

$$4 : 1 \times 4 , 2 \times 2$$

$$15 : 1 \times 15 , 5 \times 3$$

$$30 : 1 \times 30 , 3 \times 10 , 6 \times 5 , 15 \times 2$$

**Q1 : Choose the correct answer :**

**All even number is composite without number 2**  
كل الأعداد الزوجية هي composite ما عدا العدد 2

- 1) Which of following is prime number :  
a) 60    b) 63    c) 67
- 2) Which of following is prime number :  
a) 24    b) 48    c) 83
- 3) Which of following is composite number:  
a) 55    b) 23    c) 1
- 4) Which of following is composite number:  
a) 2    b) 5    c) 9

**Q2 : Tell whether each number is prime , composite or neither :**

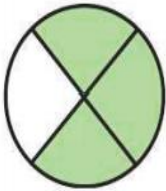
- 1) 1 .....                      3) 41 .....                      5) 15 .....                      7) 65 .....
- 2) 26 .....                      4) 50 .....                      6) 13 .....                      8) 97 .....

**Q3 : Problem solving :**

Eiman is at the park. She counts 73 kites. Write the factors of 73 on the kite. Tell whether it is *prime*, *composite*, or *neither*.

Fahd is planting vegetables in his garden. He has 20 seeds. Determine whether 20 is a prime or composite number. If it is composite, list all of the ways Fahd can arrange the seeds in even rows.

**LESSON 3+4 ... Equivalent Fraction** الكسور المتكافئة

 (الهدف) **Outcomes:** Use multiplication to find equivalent fractions (=)


3 ← numerator  
4 ← denominator

 Find two fraction that are **equivalent** to  $\frac{3}{4}$ ?

$$\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$$

$$\frac{3 \times 3}{4 \times 3} = \frac{9}{12}$$

**Q1 : Choose the correct answer :**

1) Find the equivalent fraction of shape :

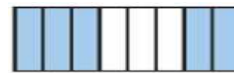


a)  $\frac{2}{10}$

b)  $\frac{2}{5}$

c)  $\frac{3}{10}$

2) Find the equivalent fraction of shape :



a)  $\frac{3}{8}$

b)  $\frac{10}{16}$

c)  $\frac{5}{16}$

 3) Khadija spent  $\frac{4}{12}$  of her savings on CD, which fraction is equivalent

a)  $\frac{1}{6}$

b)  $\frac{1}{3}$

c)  $\frac{8}{12}$

 4) Find the equivalent fraction of  $\frac{1}{10}$  :

a)  $\frac{20}{100}$

b)  $\frac{1}{100}$

c)  $\frac{10}{100}$

**Q2 : Find each unknown (x) :**

1)  $\frac{6}{12} = \frac{x}{2}$

2)  $\frac{2}{4} = \frac{x}{12}$

3)  $\frac{3}{5} = \frac{x}{10}$

4)  $\frac{1}{3} = \frac{5}{x}$

5)  $\frac{5}{8} = \frac{10}{x}$

X = .....

X = .....

X = .....

X = .....

X = .....

**Q3 : Problem solving:**

A roller coaster has 10 cars. Seven of the cars are green. Write two equivalent fractions for the part of the cars that is green.

A box contains 4 red pencils and 6 black pencils. What fraction of the pencils are red? Write two equivalent fractions.

**LESSON 5 ... Simplest form** أبسط صورة

 (الهدف) Outcomes: Make the fraction smaller by **dividing** (÷)

**Example :** Write the fraction in simplest form ?

$$\frac{1,6,2,3}{6 \div 2 = \frac{3}{10 \div 2 = 5}} \quad \left. \begin{array}{l} 1,3 \\ 3 \\ 7 \\ 1,7 \end{array} \right\} \text{Simplest form}$$

**Fraction in simplest form**

- 1) Write the **factors** of numerator and denominator  
كتابة العوامل
- 2) choose the **large common factor** اختبار أكبر عامل مشترك
- 3) **Divide** (÷) نقسم

**Q1 :** Write each fraction in **simplest form**. If it is in simplest form write it

$\frac{4}{8} =$	$\frac{8}{12} =$	$\frac{20}{100} =$	$\frac{4}{5} =$
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**Q2 :** **Choose** the correct answer :

- 1) Which fraction of these in simplest form :
 

a) $\frac{2}{10}$	b) $\frac{2}{5}$	c) $\frac{3}{9}$
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- 2) Which fraction of these in simplest form :
 

a) $\frac{3}{8}$	b) $\frac{10}{14}$	c) $\frac{4}{8}$
------------------	--------------------	------------------
- 3) What is unknown denominator if  $\frac{9}{12} = \frac{3}{x}$ 

a) 2	b) 3	c) 4
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- 4) What is unknown denominator if  $\frac{6}{8} = \frac{x}{4}$ 

a) 2	b) 3	c) 4
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**Q3 :** **Problem Solving** : write each answer as a fraction in simplest form

Khamis has made 4 out of the 12 recipes in his cookbook. What fraction of the recipes has he made?

 Khalaf has 8 kittens. Two are white. What fraction of the kittens are *not* white? Write in simplest form.