للصف السادس

بموضوع

النسبة المئوية

%

**تحضير: هشام العطاونة**النسبة المئوية

النسبة المئوية هي طريقة أخرى للتعبير عن كسور مقاماتها 100

اشارة النسبة المئوية هي % ( الاشارة بدل المقام 100 أي %3 = .

مثال:-

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يظهر في الشكل مربع كبير مكون من 100 مربع صغير.

أكمل الجدول الآتي:-

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| الشكل | عدد الأشكال | الكسر العادي | النسبة المئوية |
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* ما هو المشترك لهذه الكسور؟----------------
* ما هو مجموع كل الأشكال في الجدول؟----------------

مثال2:- أكمل الجدول الآتي:-

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| الشكل  | الجزء الملون | الكسر العادي | النسبة المئوية |
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-ما هو مجموع الأجزاء الملونة (المربعات المليئة) في المربع الكبير؟

- ما هو مجموع الأجزاء البيضاء(المربعات الفارغة ) في المربع الكبير؟

|  |  |
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| الجزء الملون | الجزء الغير ملون |
| كسر عادي | نسبة مئوية | كسر عادي | نسبة مئوية |
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الجزء الملون + الجزء الأبيض =  = %\_\_\_\_\_\_

لون في الشكل النسبة المئوية المكتوبة:-

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أكتب الجزء الملون بكسر عادي ونسبة مئوية

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تحويل الكسر العادي الى نسبة مئوية

1. نحول كل كسر عادي الى كسر مقامه 100 وذلك من حلال عمليتي التوسيع والاختزال.

%75 =  = × = 

عامل التوسيع 25

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

%140=  = × = 

عامل التوسيع 20

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

%14 =  =  = 

عامل الاختزال 3

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%0.5 =  = = 

 عامل الاختزال 2

تحويل النسبة المئوية الى كسر عادي

تحويل النسبة المئوية الى كسر مقامه 100 نستعين بعملية التوسيع أو الاختزال للحصول على كسر عادي.

 = = = 40%

 = = = == 350%

تذكر:-

20%

أكتب كل كسر كنسبة مئوية:-

25%











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أكتب كل نسبة مئوية ككسر عادي وكسر عشري:-

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| نسبة مئوية | كسر عادي | كسر عشري |
| %89 |  |  |
| %23 |  |  |
| %6 |  |  |
| %47 |  |  |
| %81 |  |  |
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