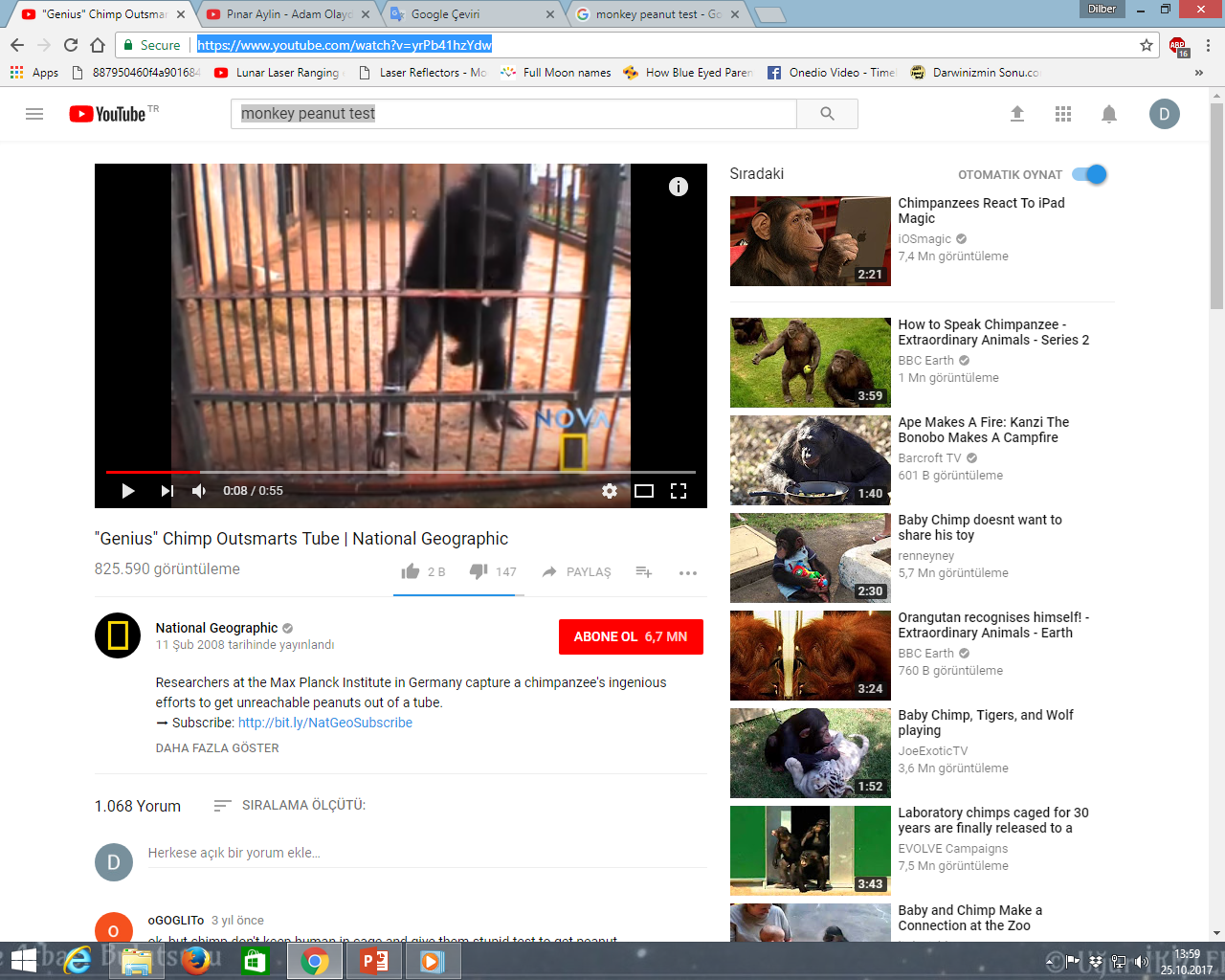
**BASINÇ VE KALDIRMA KUVVETİ-4**

Elimizin sığamayacağı ince bir cam tüpün dibinde bulunan fıstığı nasıl alabiliriz?

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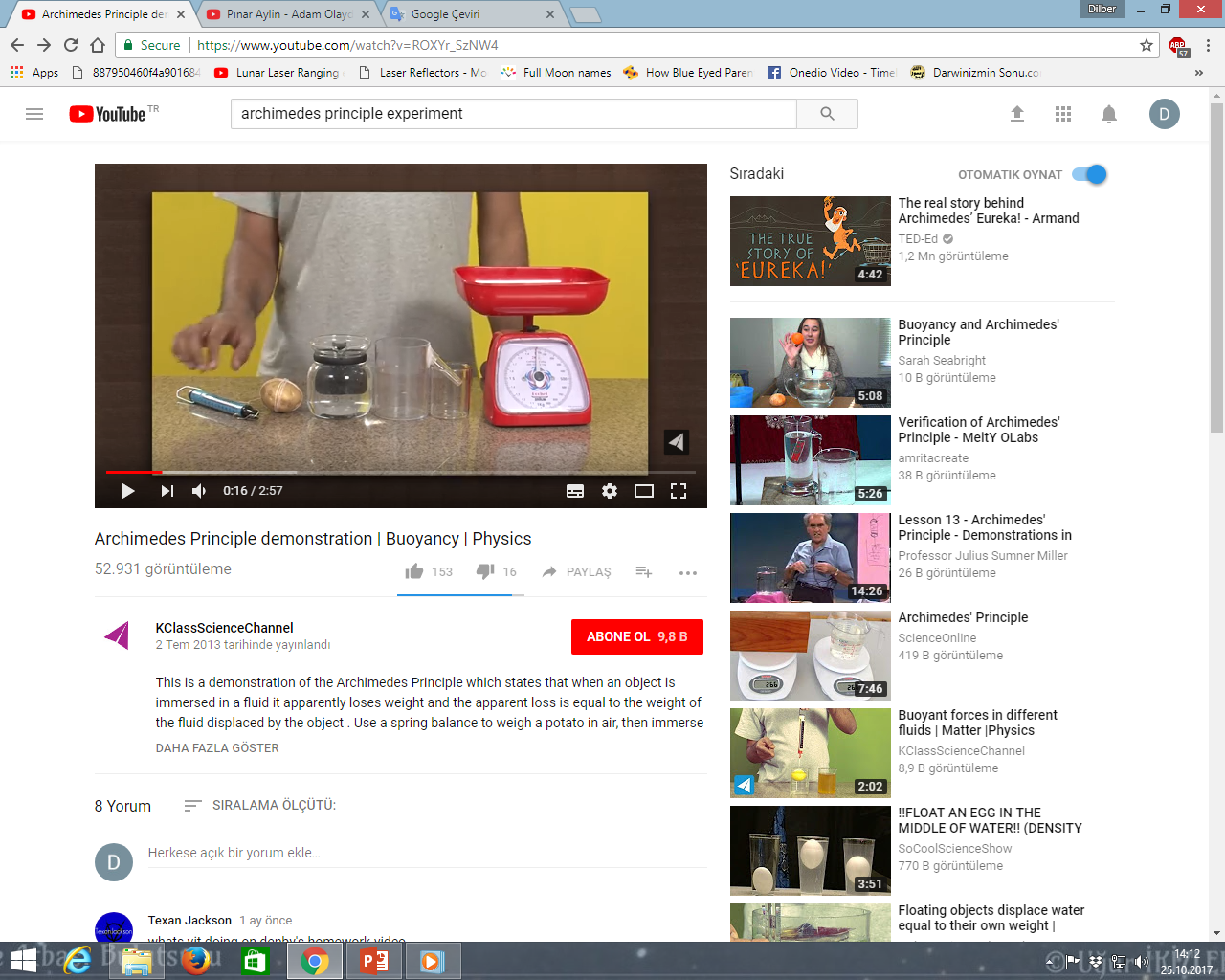
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Gemi yapımında kullanılan tonlarca demiri bir bütün halinde denizin yüzeyine bırakırsak ne olur?

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**Archiemedes İlkesi**

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Patatesin ağırlığı:

Patatesin su içerisindeki ağırlığı:

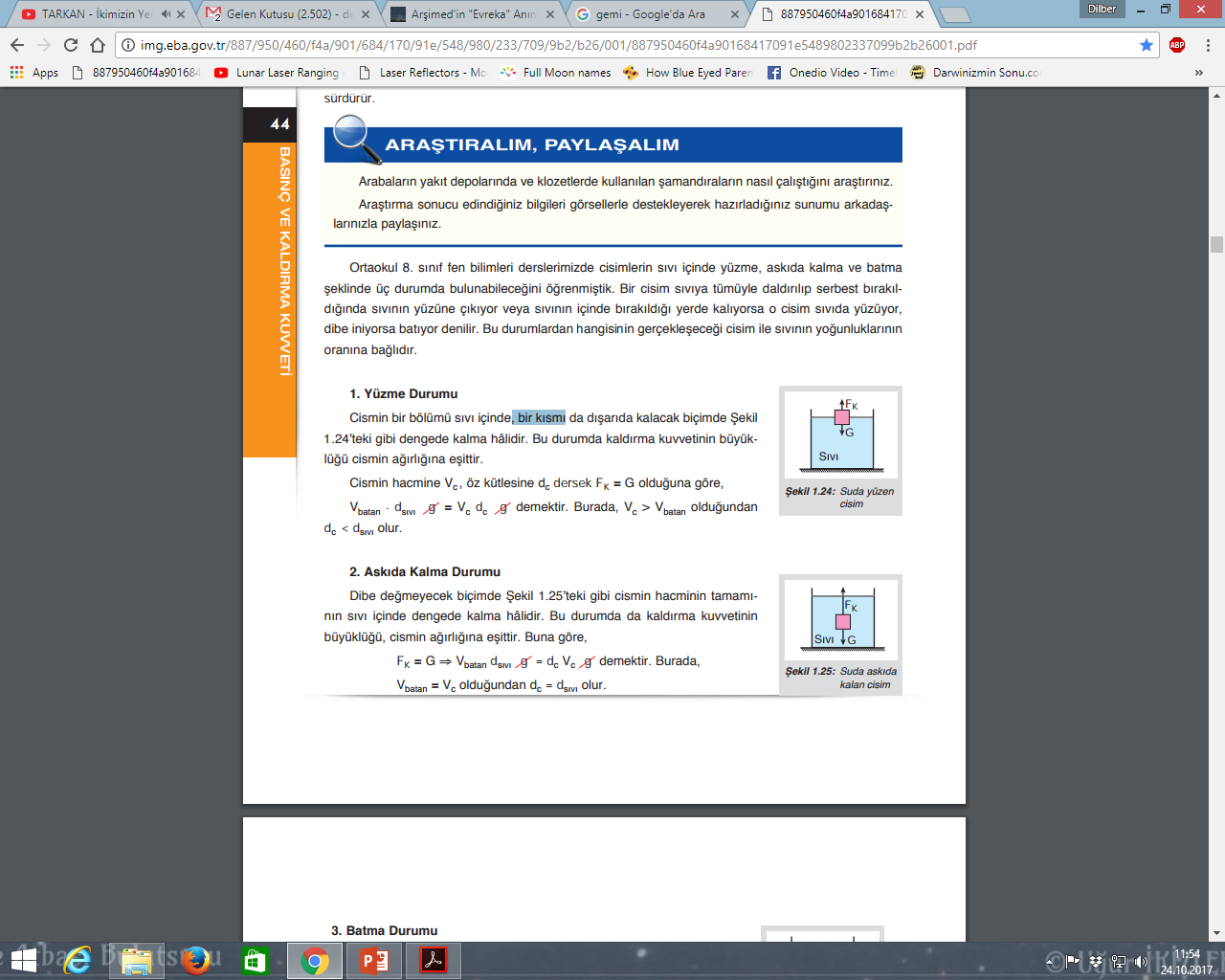
Patatese etkiyen kaldırma kuvveti:

Taşan suyun ağırlığı:

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**Yüzme, Askıda Kalma, Batma**

**Yüzme**

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Taşan sıvının hacmi, batan cismin hacminden küçük ise ne olur?

Ör:

Cismin hacmi: 20 m3

Taşan suyun hacmi: 10 m3

Suyun özkütlesi: 1 g/m3

Suyun kütlesi:

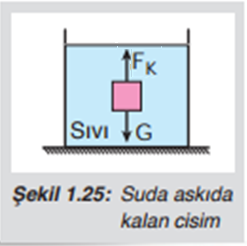
Suyun ağırlığı:

Uygulanan kaldırma kuvveti:

Cismin özkütlesi:

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**Askıda Kalma**

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Taşan sıvının hacmi, batan cismin hacmine eşit ise ne olur?

Ör:

Cismin hacmi: 20 m3

Taşan suyun hacmi: 20 m3

Suyun özkütlesi: 1 g/m3

Suyun kütlesi:

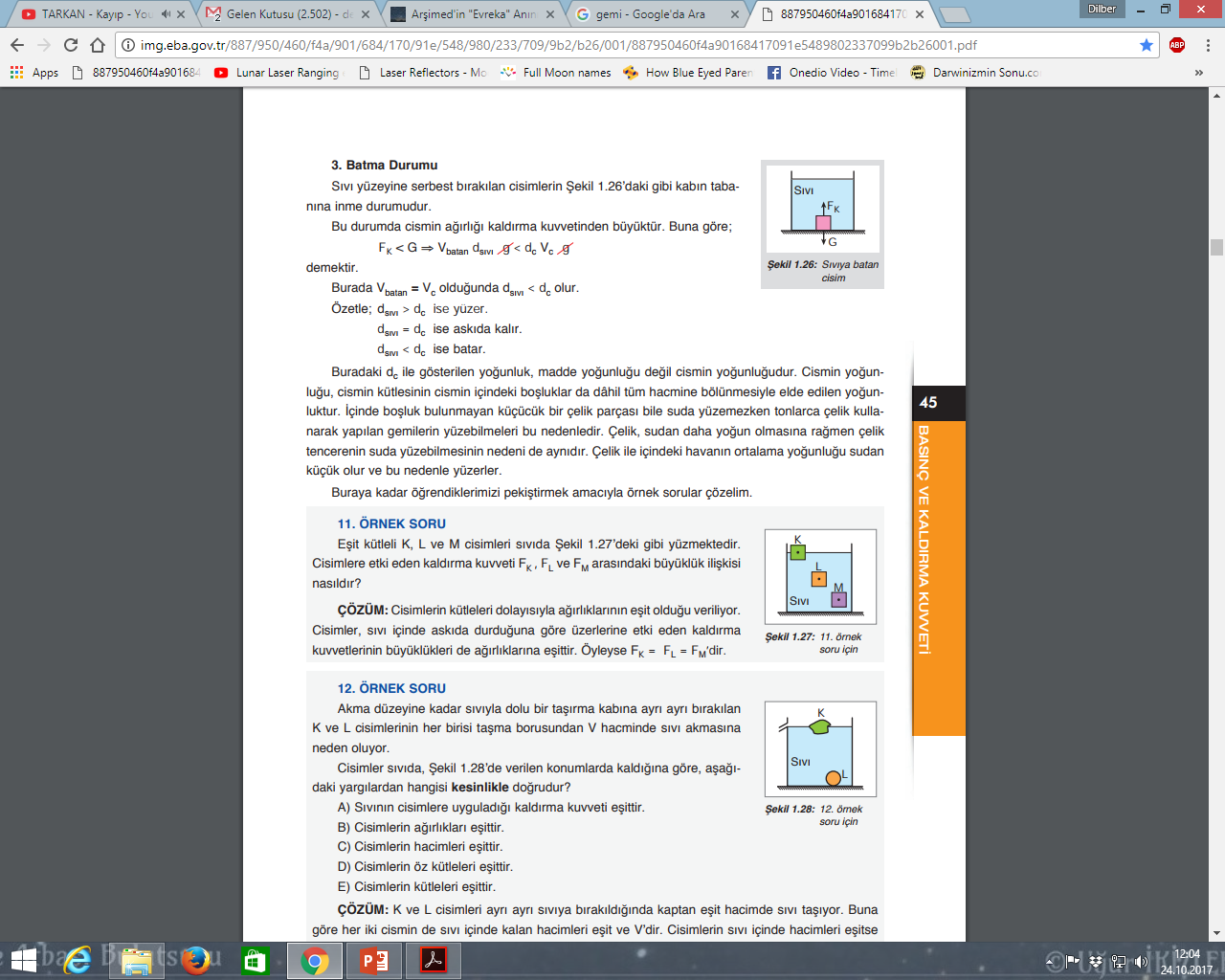
Suyun ağırlığı:

Uygulanan kaldırma kuvveti:

Cismin özkütlesi:

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**Batma**

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Taşan sıvının hacmi, batan cismin hacmine eşit fakat cismin ağırlığı kaldırma kuvvetinden büyük ise ne olur?

Ör:

Cismin hacmi: 20 m3

Taşan suyun hacmi: 20 m3

Suyun özkütlesi: 1 g/m3

Suyun kütlesi:

Suyun ağırlığı:

Uygulanan kaldırma kuvveti:

Cismin özkütlesi:

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Ya birden fazla sıvı olursa?

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Peki, bu bardağa ilk önce şerbet dökülseydi, üzerine su konulmadan üzüm atılsaydı, üzüm videodaki konumuna göre nerede dururdu? Daha aşağıda ya da daha yukarıda?

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Peki, bardağın su kısmında bir musluk olduğunu farzedelim. Musluğu açarak suyu boşaltalım, öyle ki su yüksekliği üzümün yüksekliğinden az olsun. Üzüm nerede dururdu? Bir kısmı şerbete mi batardı yoksa bir kısmı yağa mı girerdi?

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Peki, özkütlesi su ile aynı olan bir cisim atsaydık nerede dururdu?

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Peki aynı şekide musluğu açarak suyu boşaltsaydık cisim nerede dururdu? Bir kısmı şerbete mi batardı yoksa bir kısmı yağa mı girerdi?

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Peki kayık ağırlığındaki tahtayı bütün halinde denizin yüzeyine bırakırsak ne olur?

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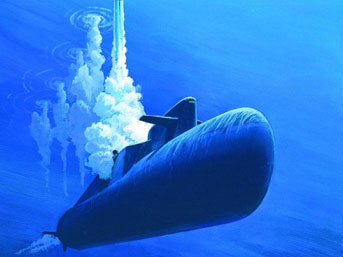
**Günlük hayattan örnekler**

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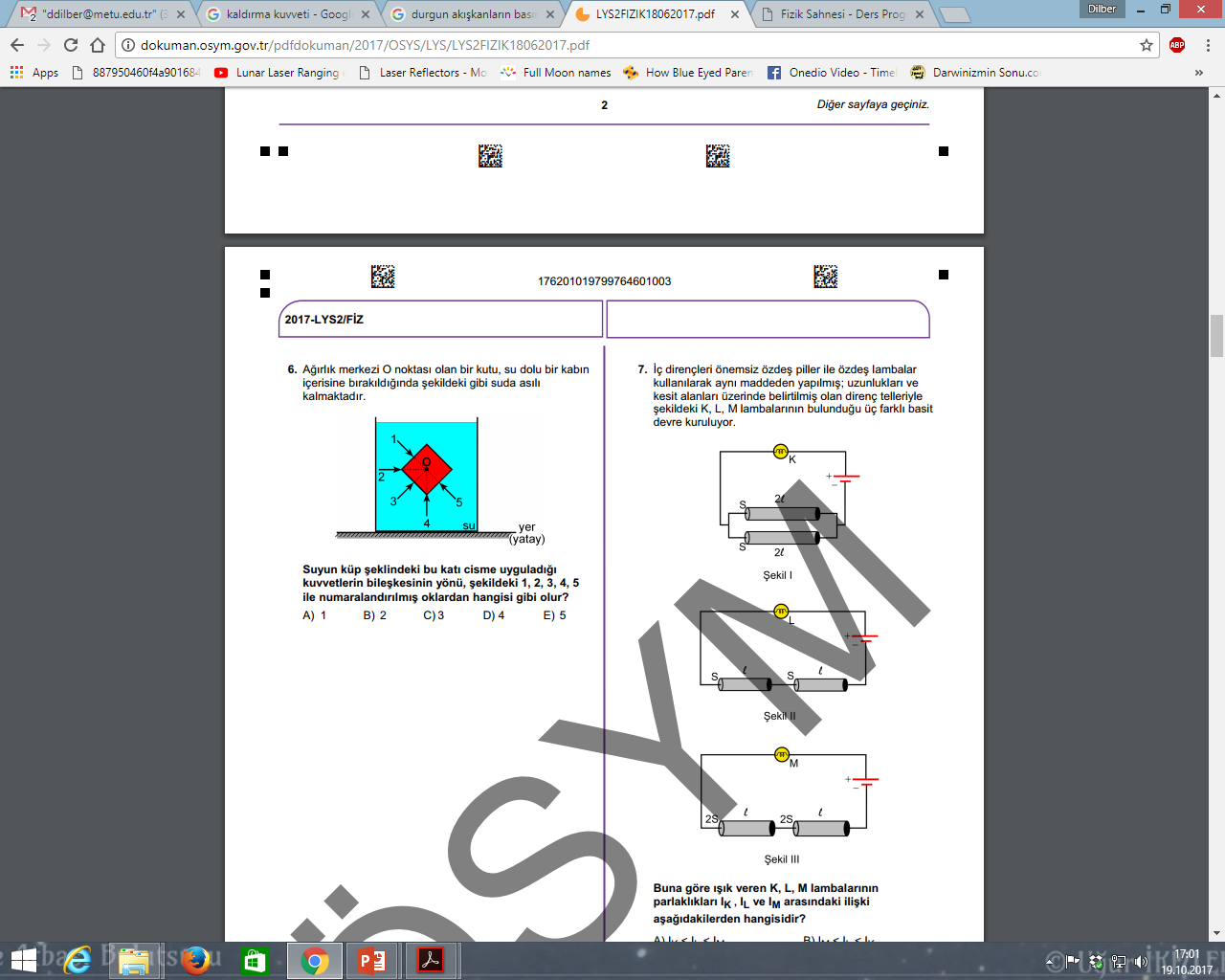
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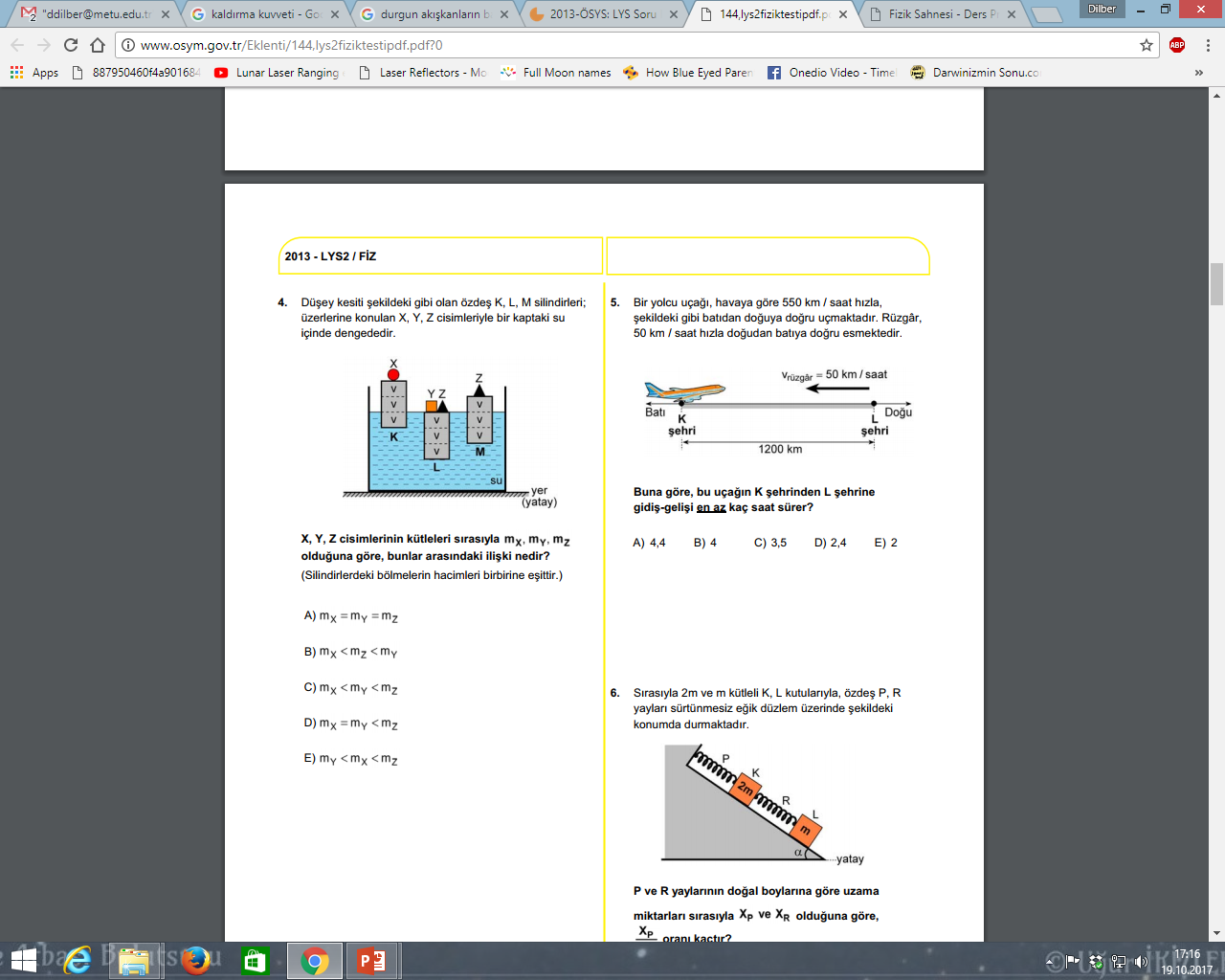
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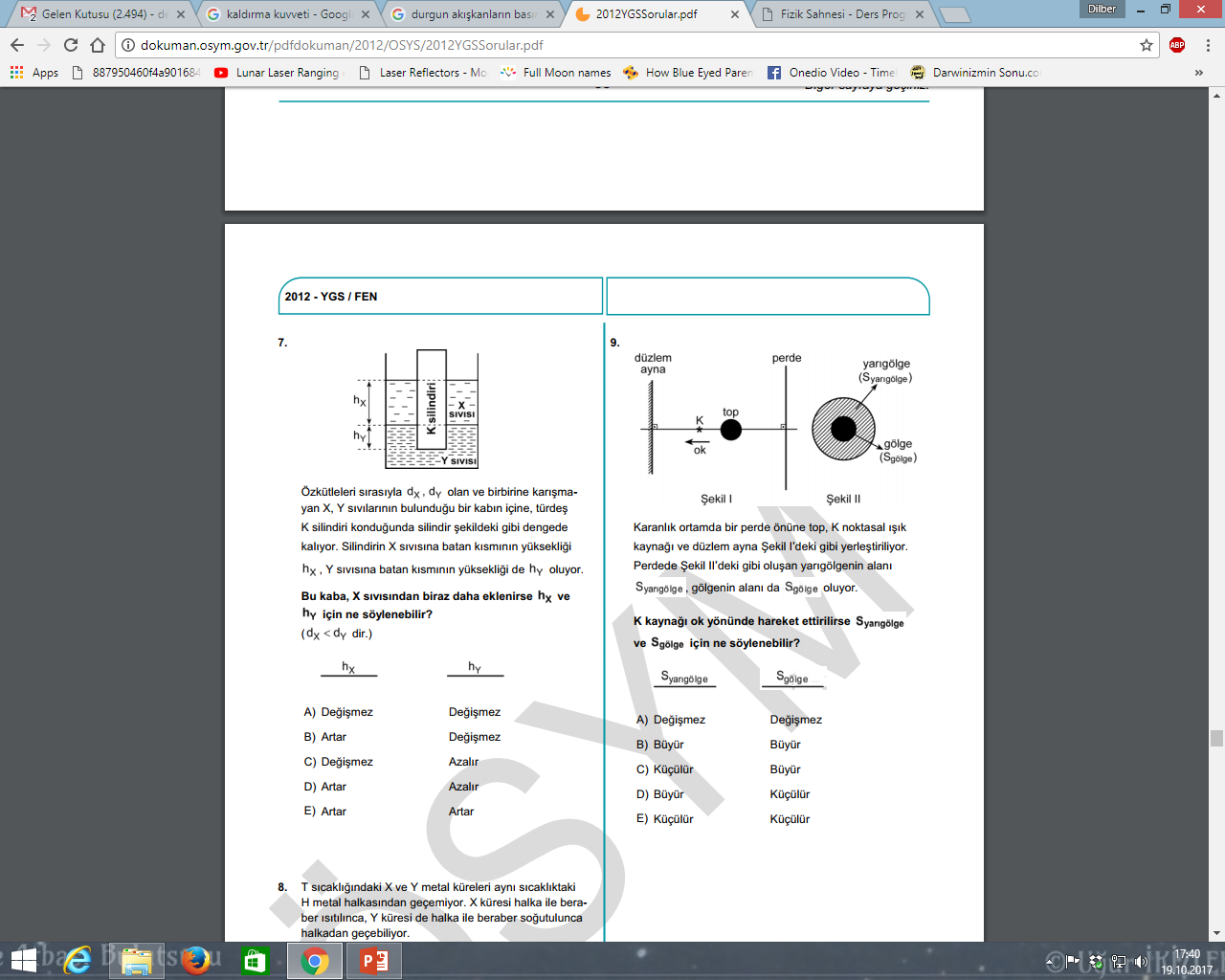
**2017-ygs**



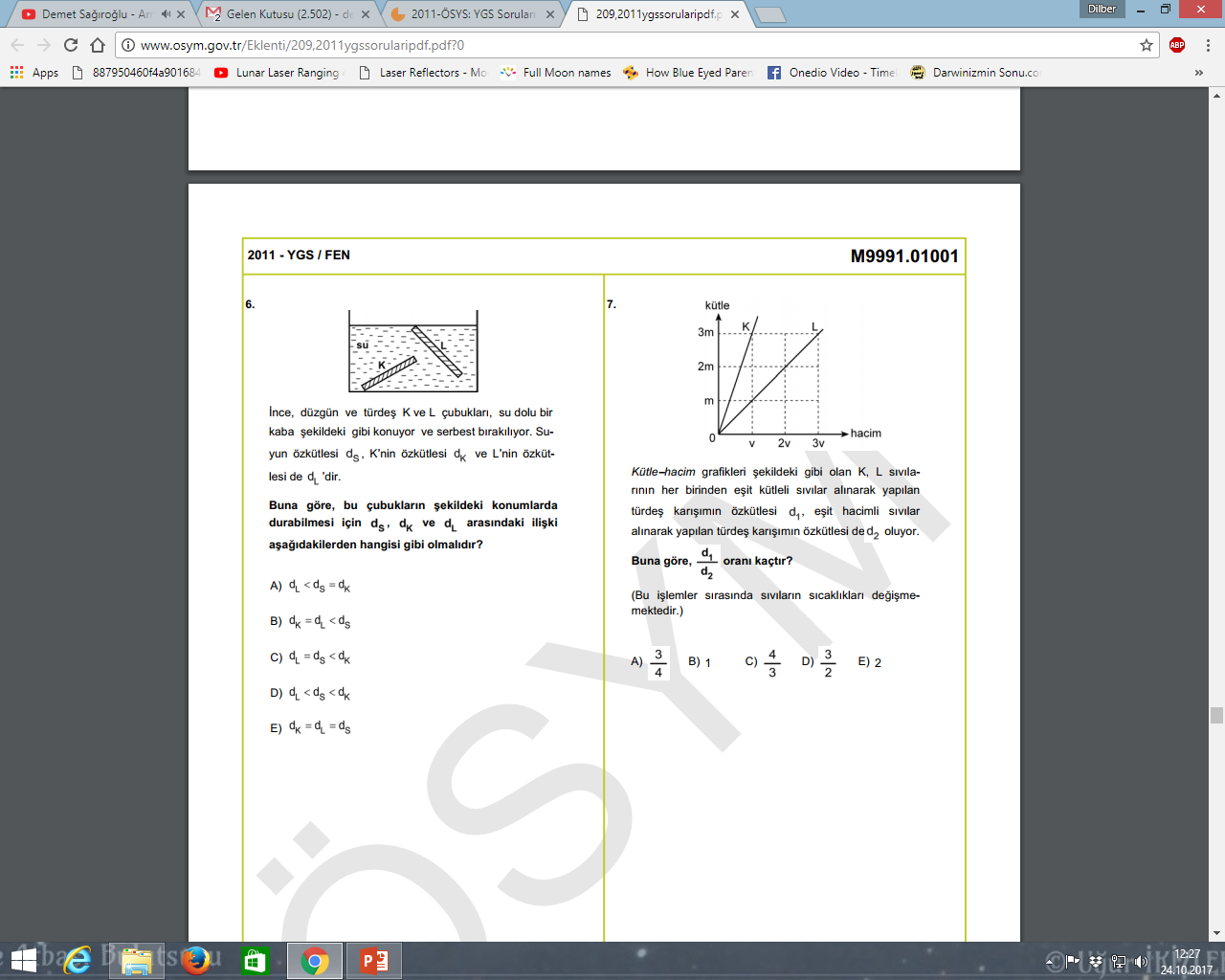
**2013-lys**



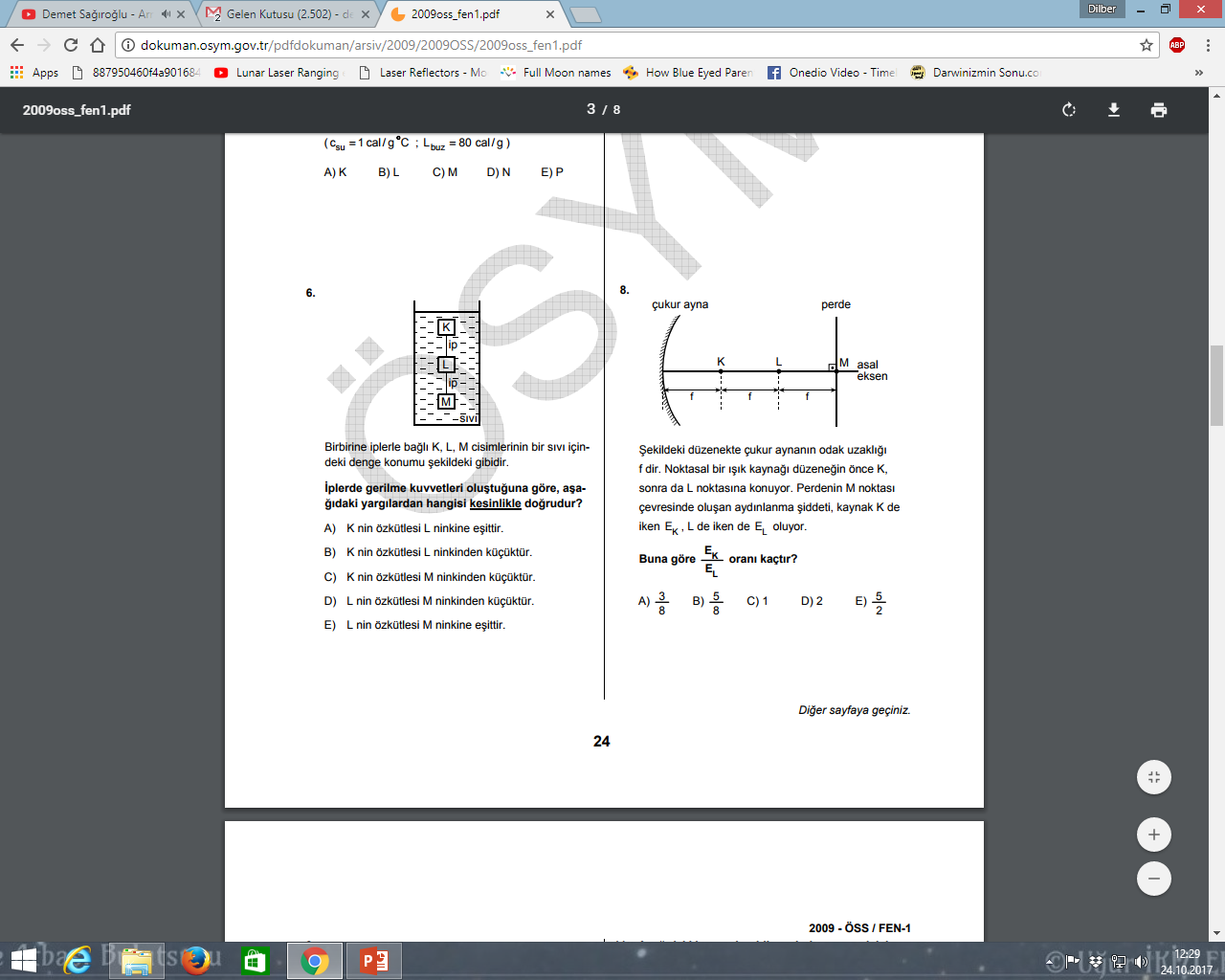
**2012-ygs**



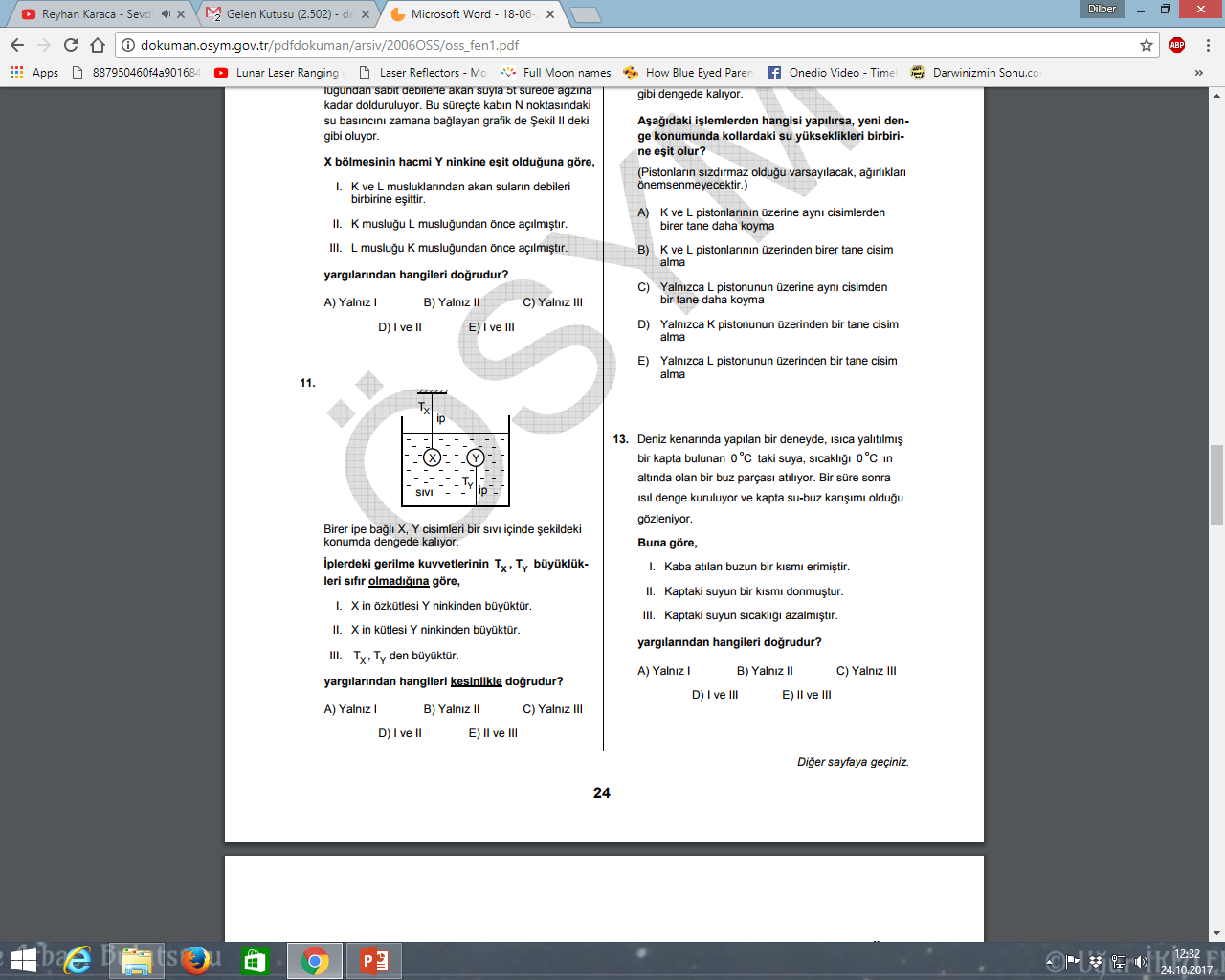
**2011-ygs**



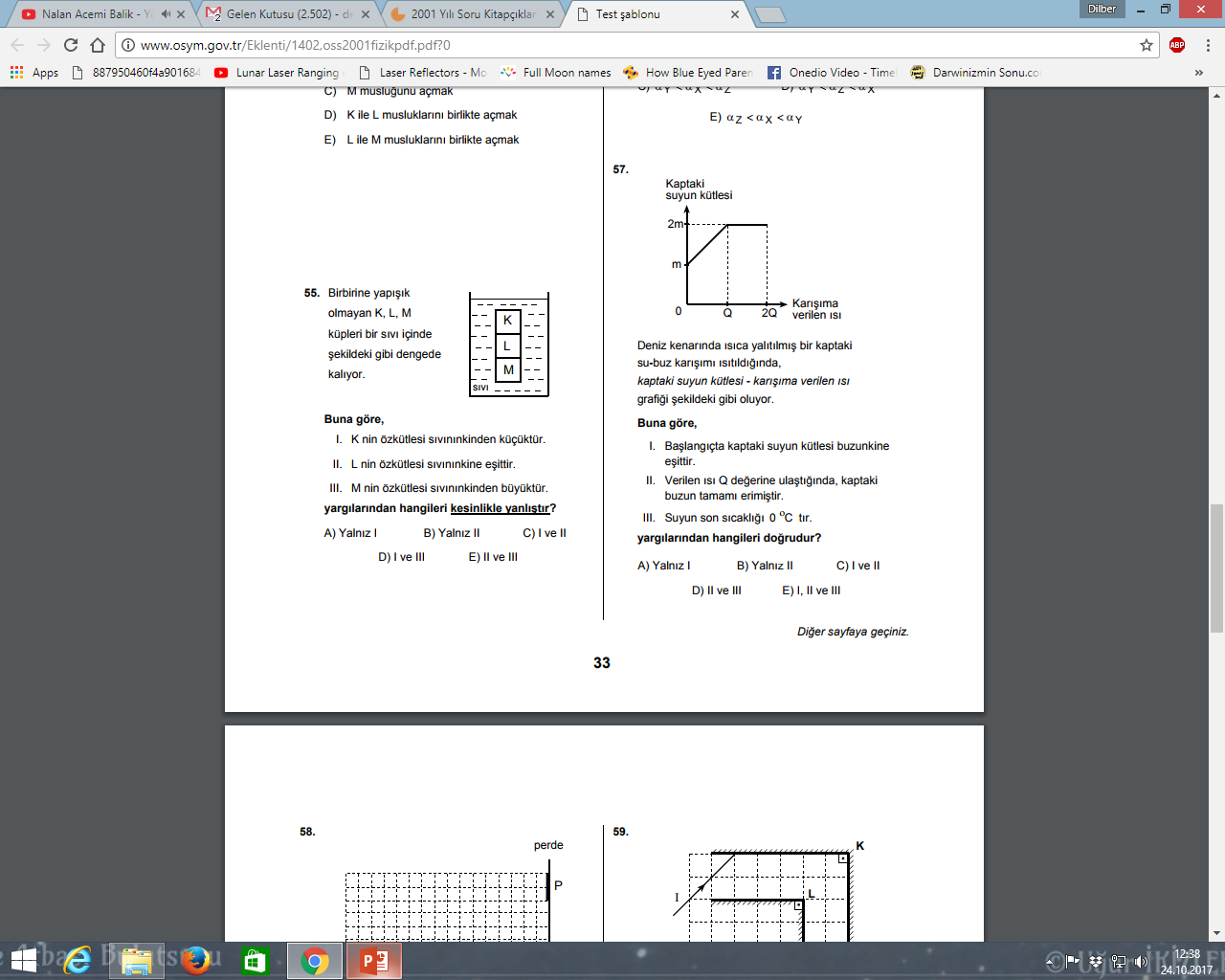
**2009-fen1**



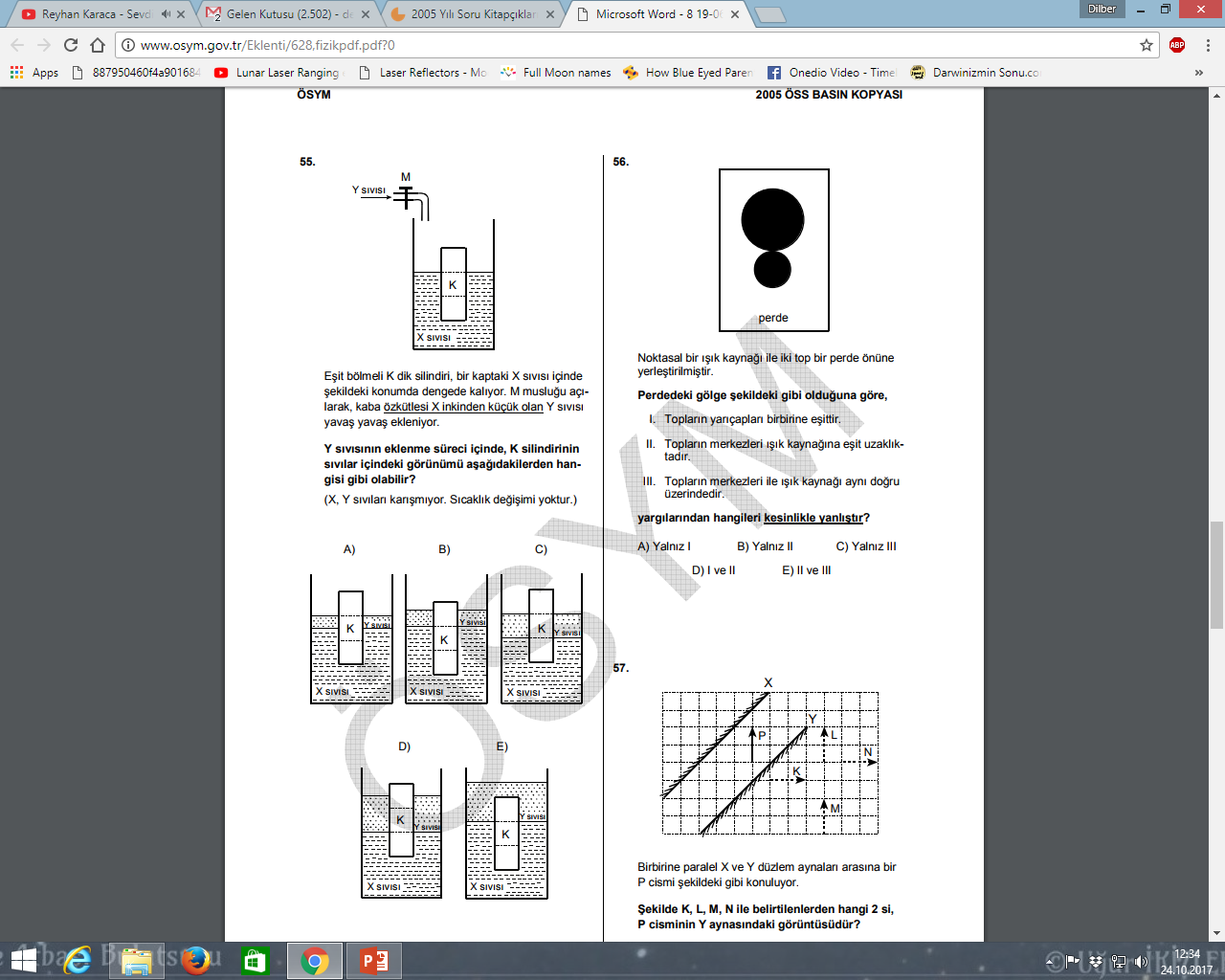
**2006-fen1**

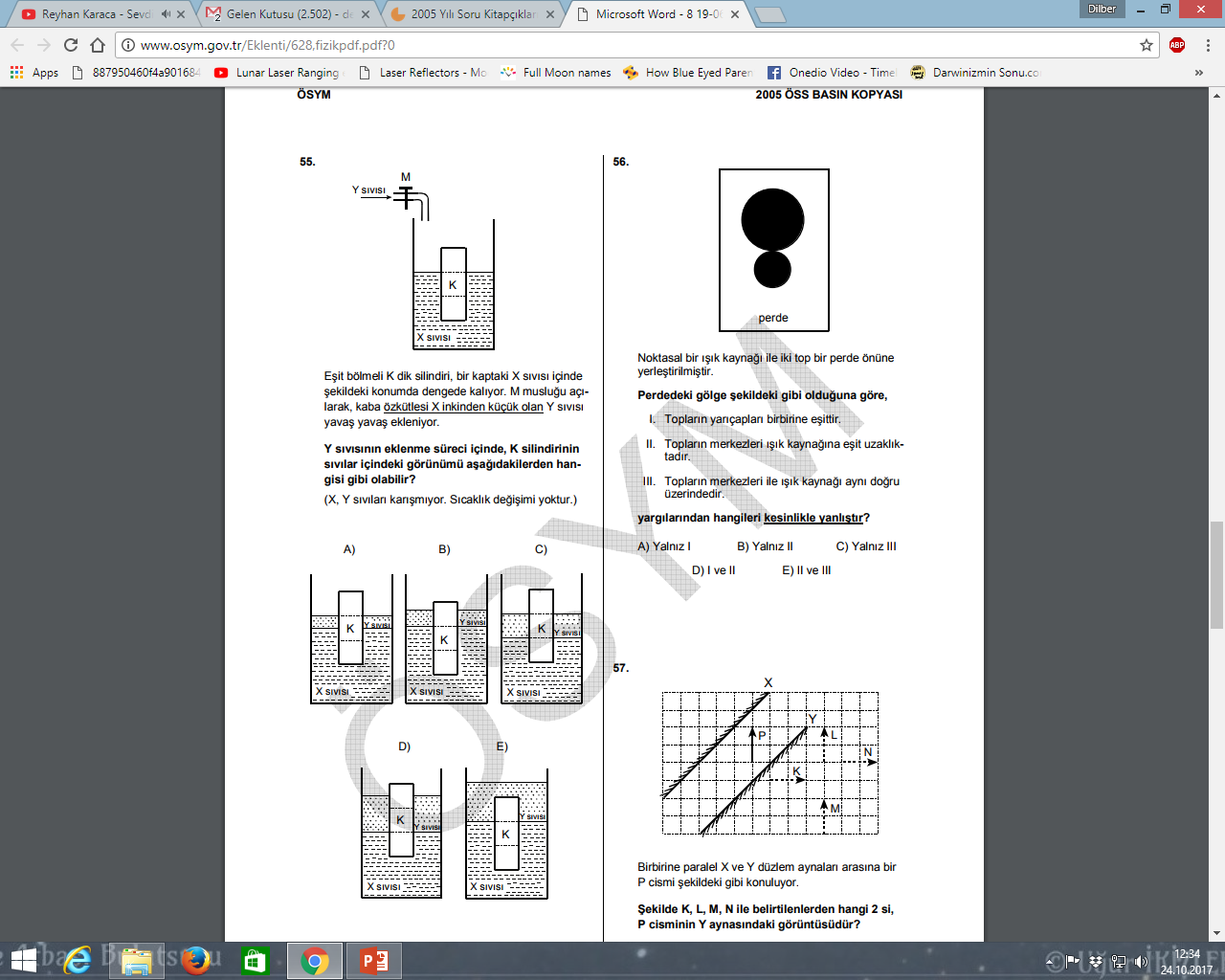


**2001-öss**

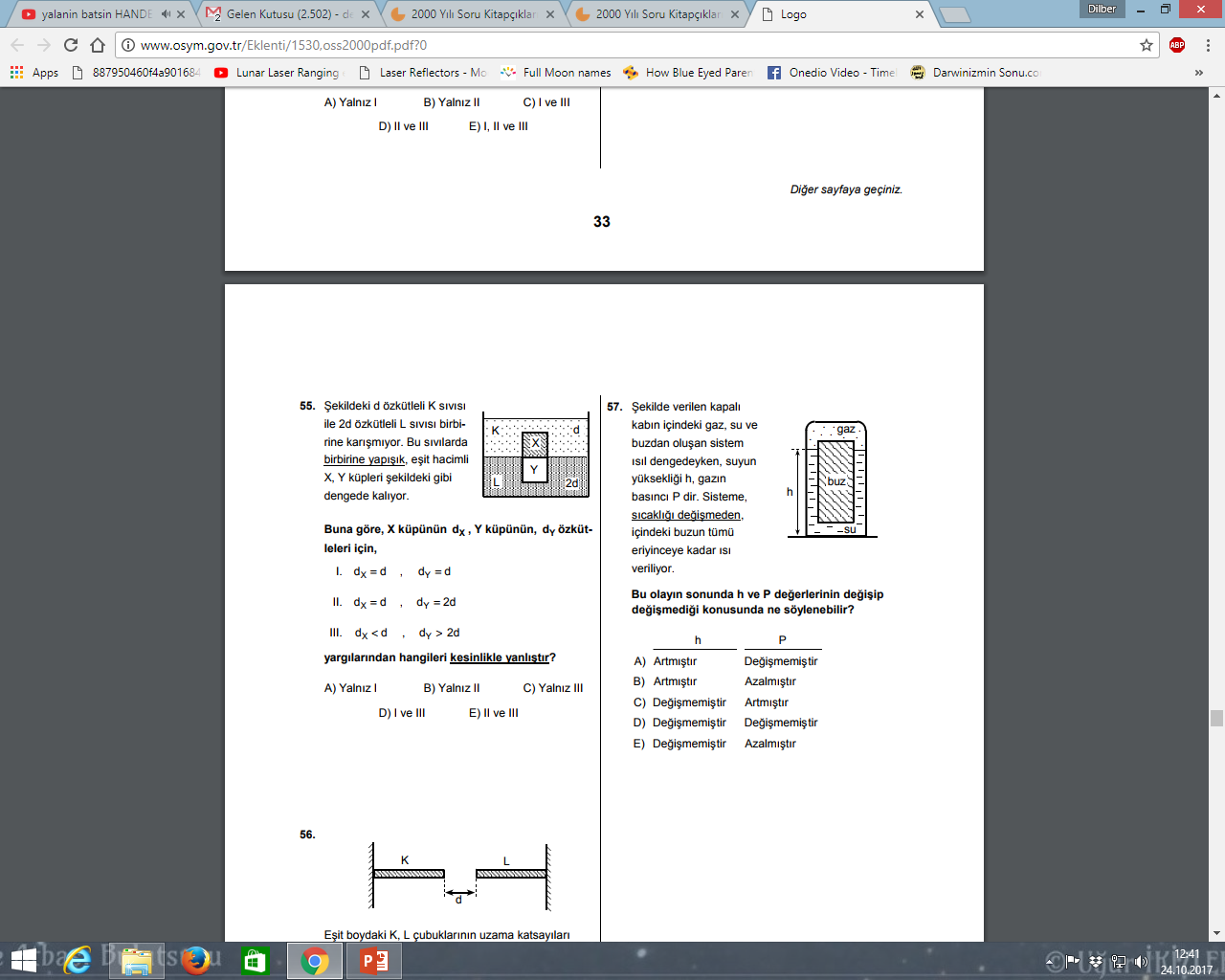


**2005-öss**

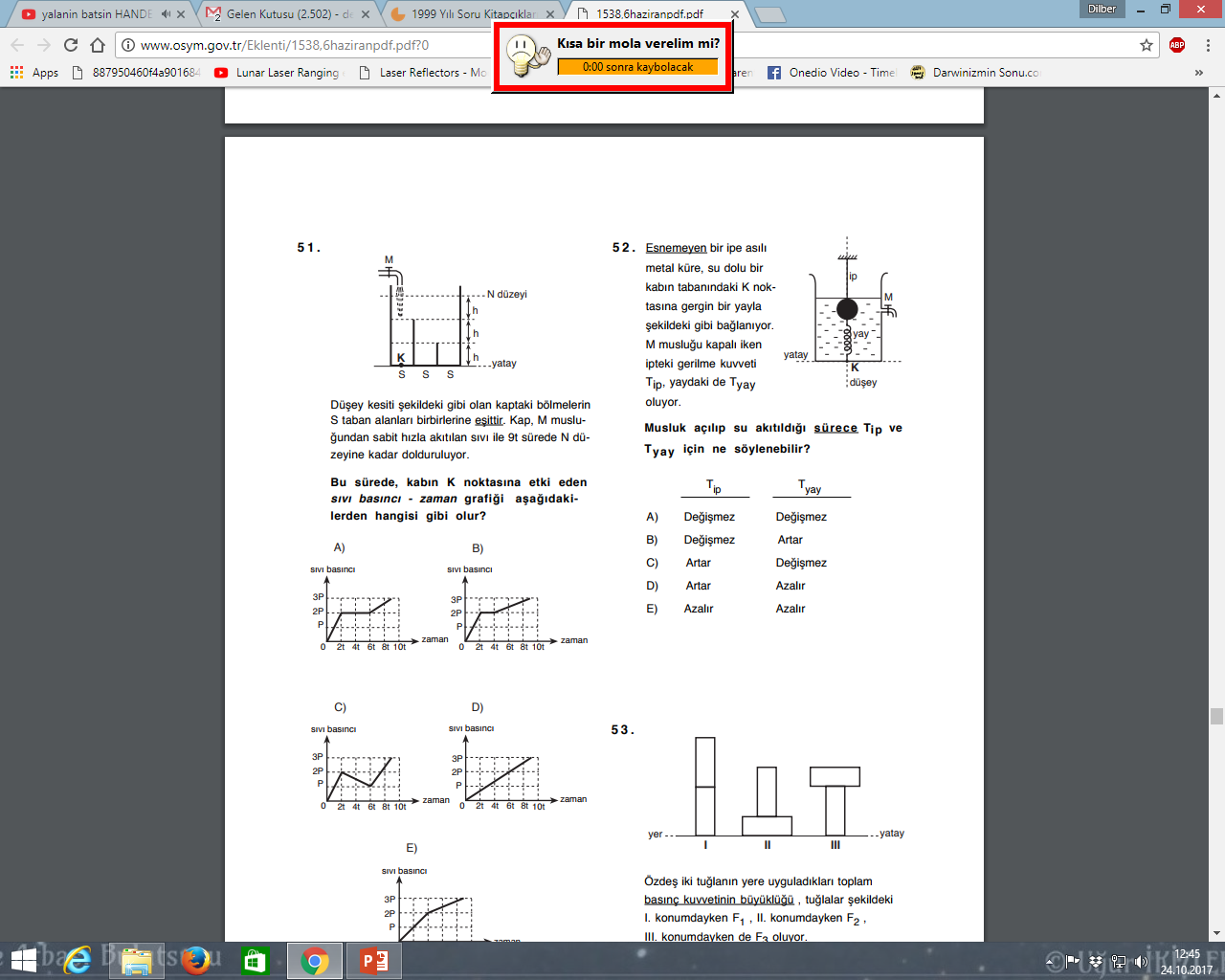


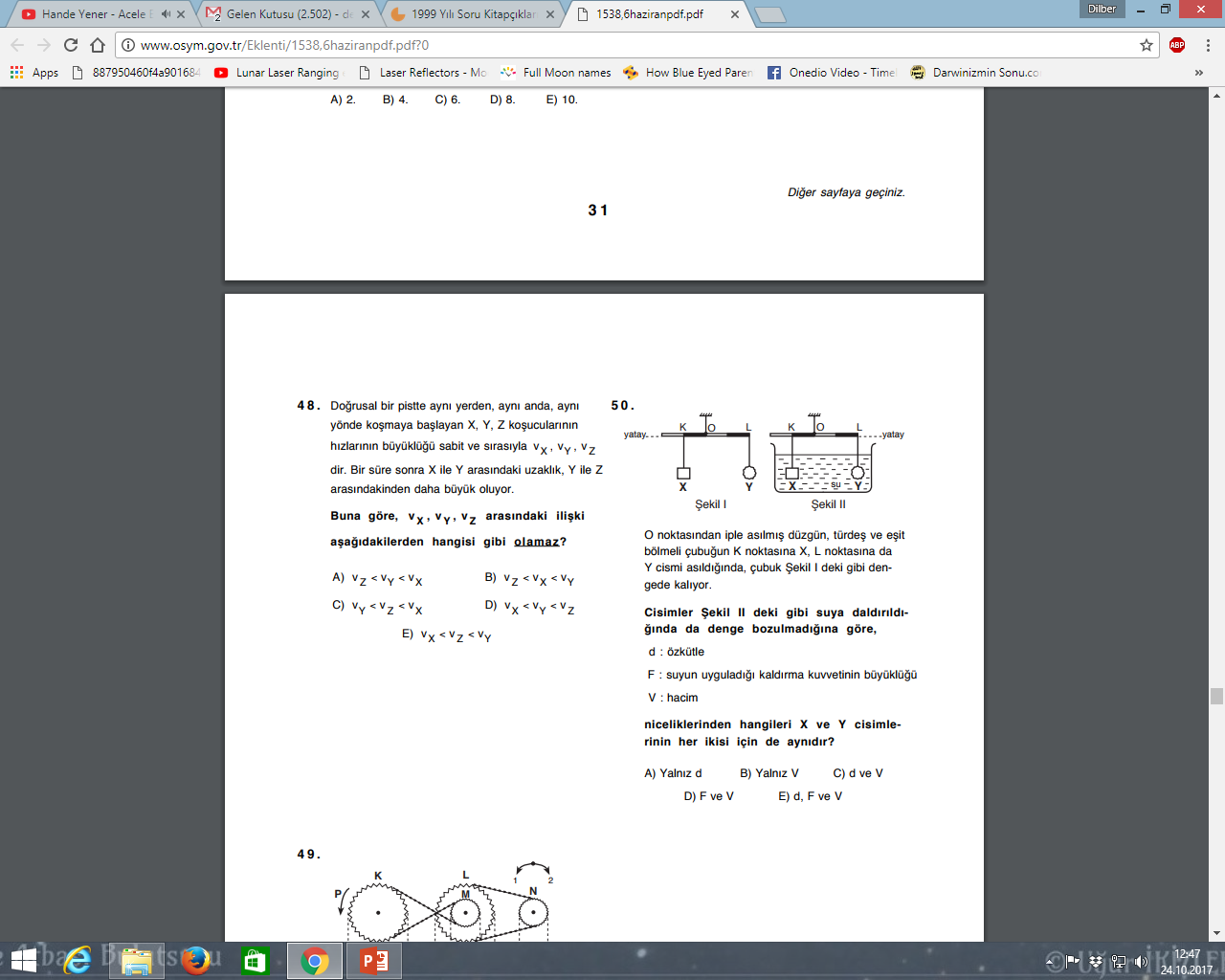


**2000-öss**

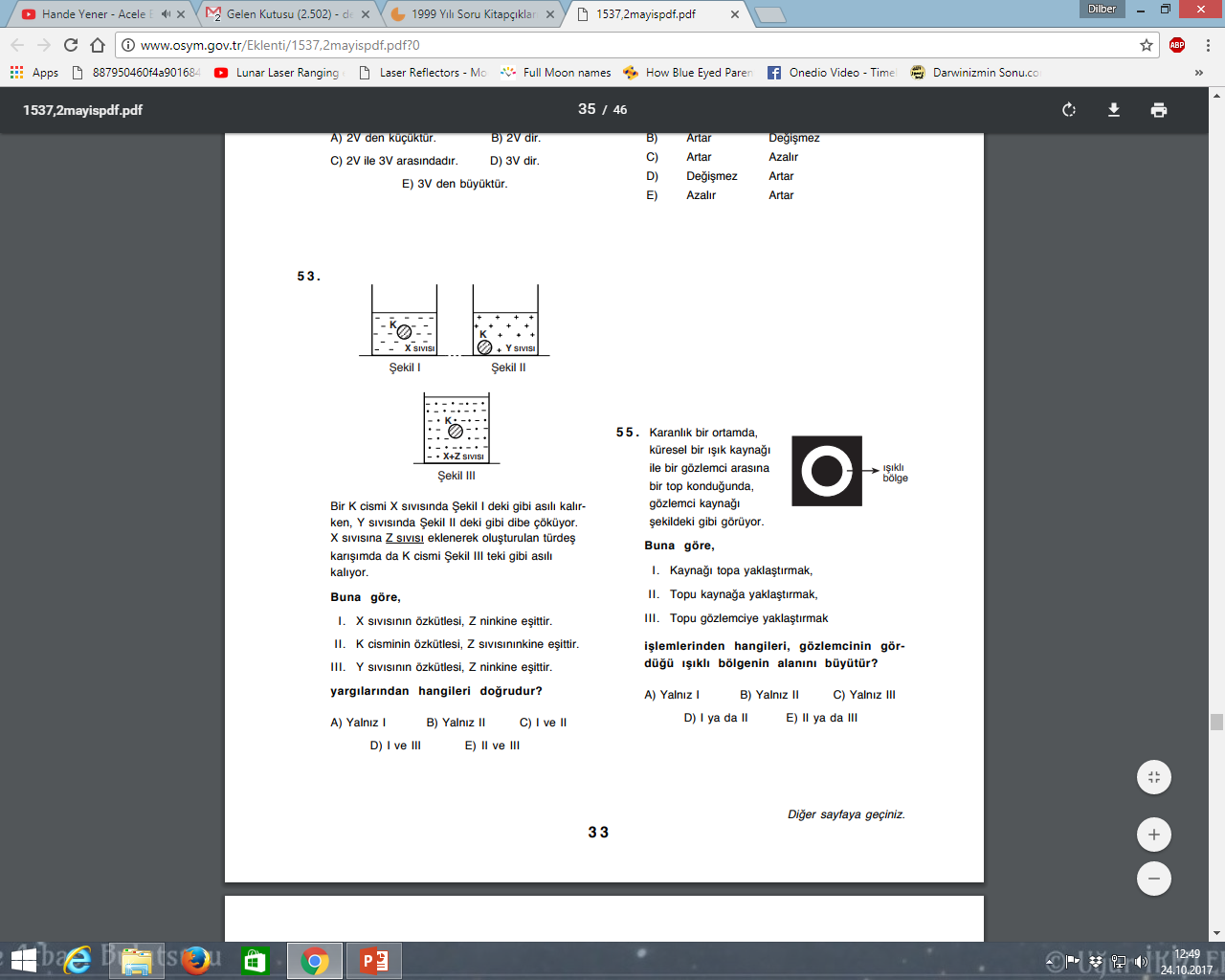


**1999-öss**

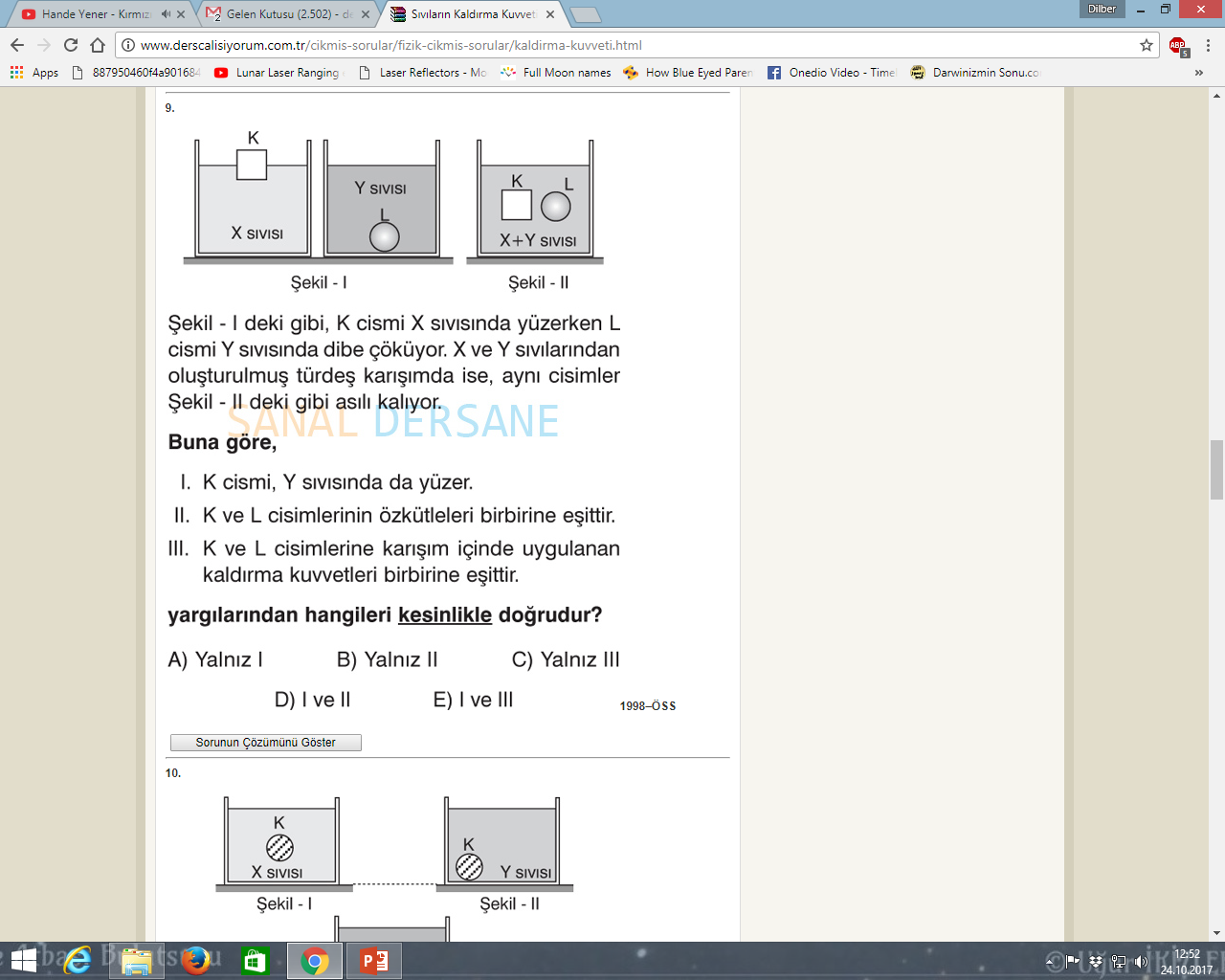


**1999-öss**

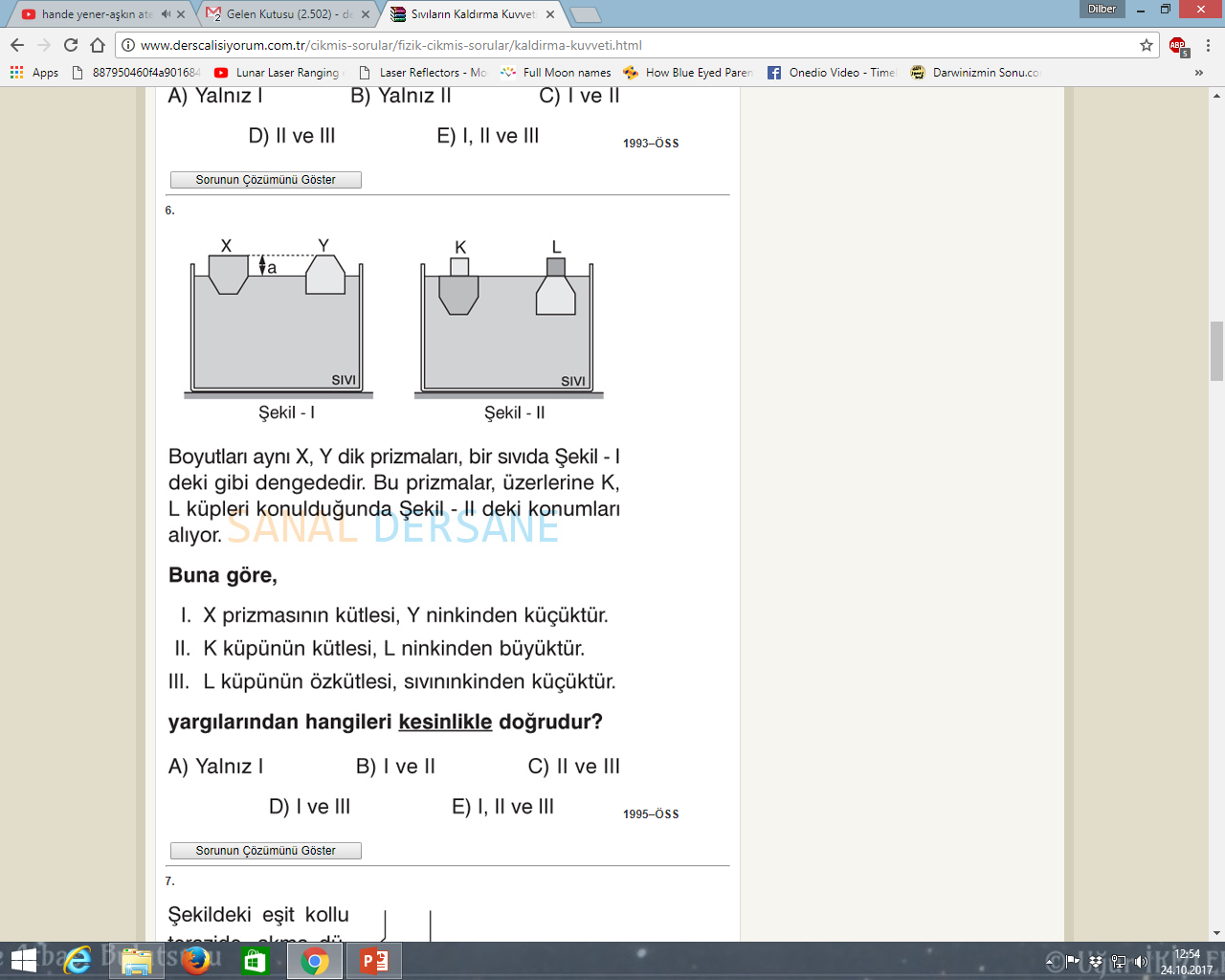
**1999-öss-iptal**



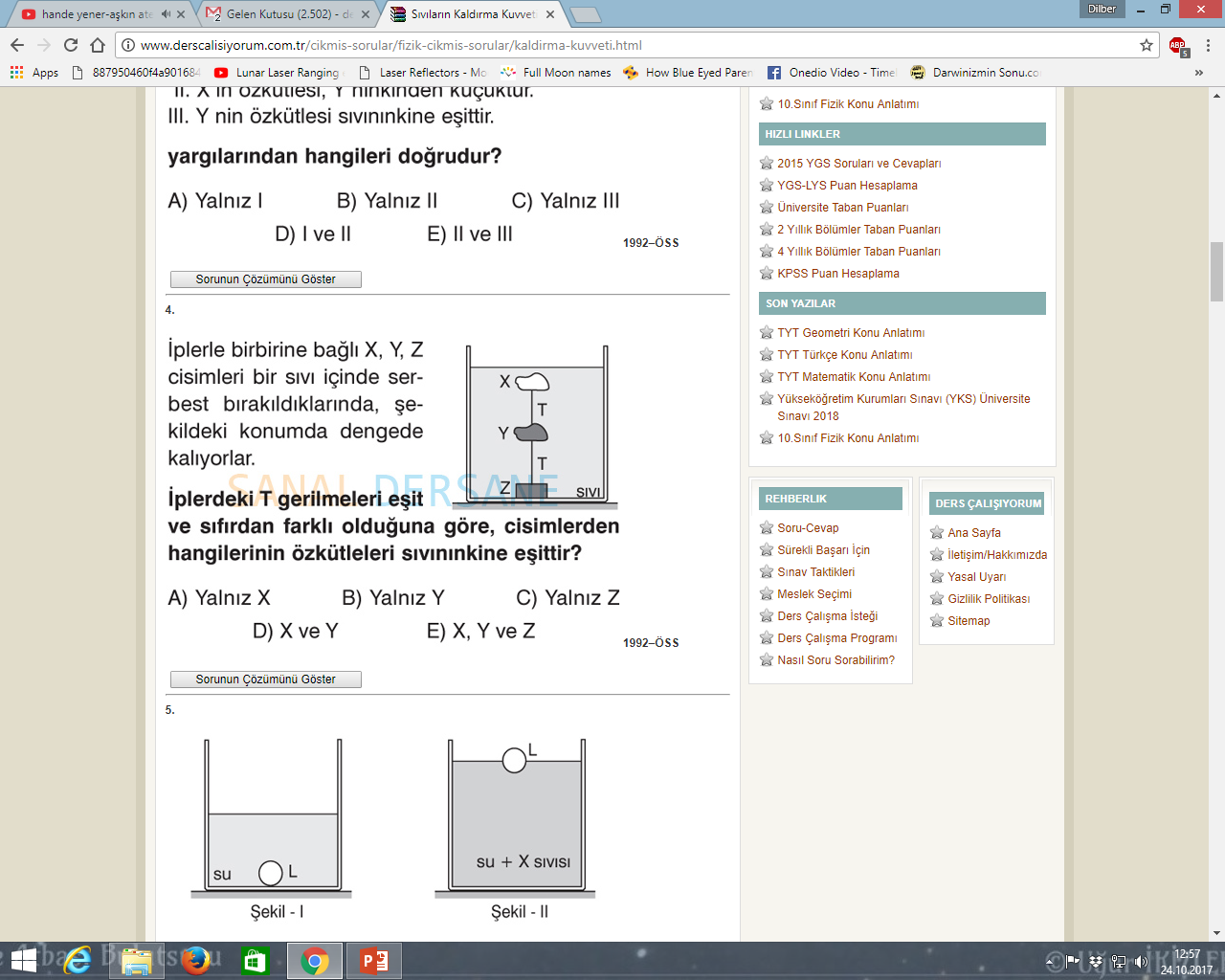
**1998-öss**



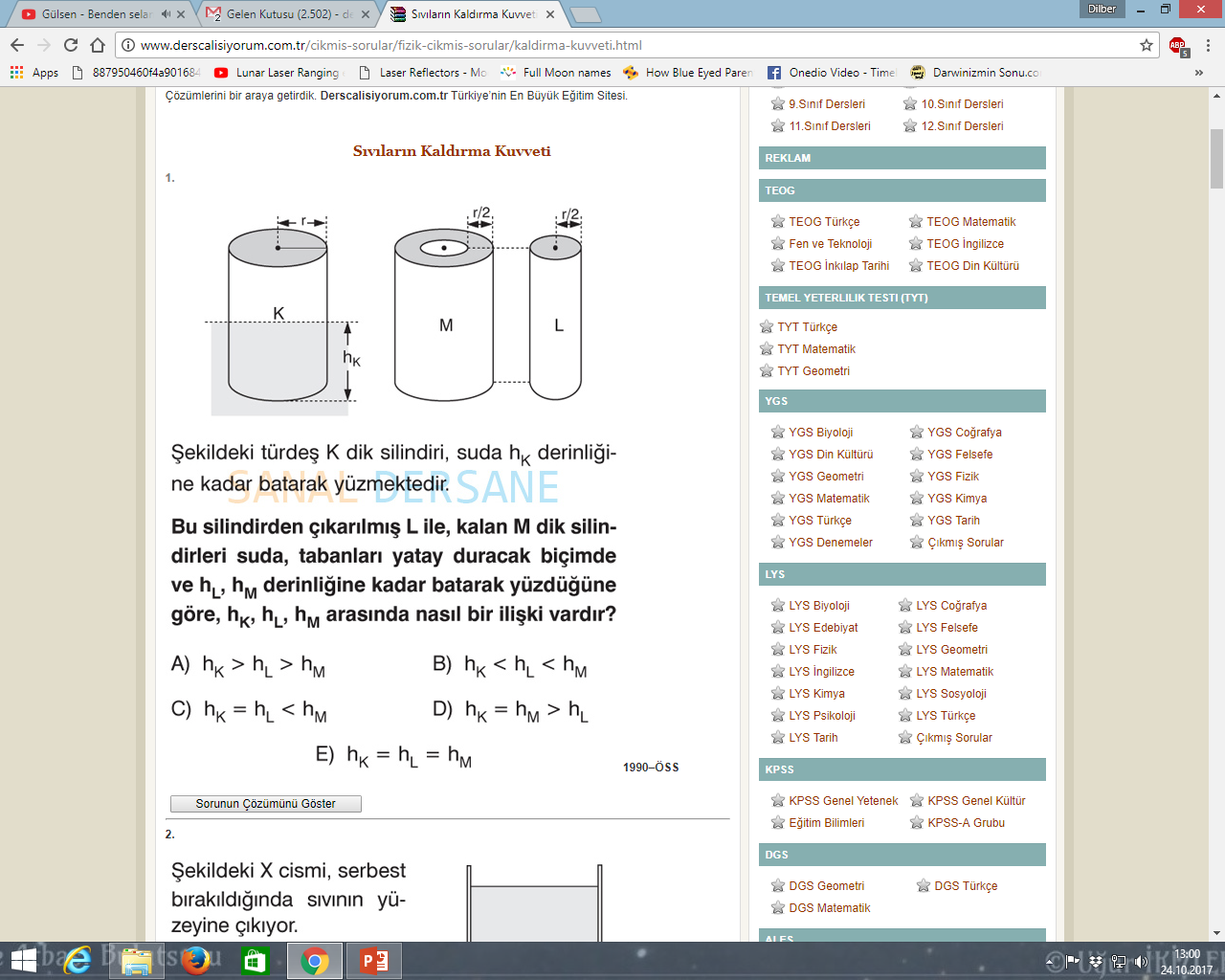
**1995-öss**



**1992-öss**



**1990-öss**



**1988-öss**

