

$$\frac{1}{3}$$

$$\frac{3}{5}$$

# Fractions

$$\frac{11}{50}$$

$$\frac{1}{2}$$

$$\frac{2}{7}$$

# Using fractions we express some part of whole

A day has 24 hours, every hour represents  $\frac{1}{24}$  of a day.

A year has 12 months, summer holiday represents  $\frac{3}{12}$  of a year.

One meter has 100 centimeters, each centimeter represents  $\frac{1}{100}$  of a meter.

The ancient Egyptians used fractions in their calculations.

Knowledge about ancient Egyptians mathematics we owe to the Rhind Mathematical Papyrus. It dates to around 1650 BC.

Papyrus is the first material in history that was used for writing.

It was discovered by Egyptians around 2000 BC.

Papyrus is a plant, similar to reed. It can grow up to 3 meters.

People wrote on papyrus until 11th century.



# How did the ancient Egyptians write numbers ?

276	4622	1/3	1/5	1/249

**hieroglyphics**

	=3,244
	=21,237

1		10		100		1000	
2		20		200		2000	
3		30		300		3000	
4		40		400		4000	
5		50		500		5000	
6		60		600		6000	
7		70		700		7000	
8		80		800		8000	
9		90		900		9000	



Pirot rug



Pirot rug is part of our tradition and represents very valuable culture heritage.

Pirot rug is first time mentioned in documents in 1565, where we can read that boats on the Danube were covered with Pirot's rugs.

They are made of wool from the old race of sheep that lives at the Old mountain.

Pirot's rugs are weaved with the special technique. Theirs both sides are the same and every side can last for 100 years.

Pattern is always some geometrical shape with expressed color contrast.

Patterns have their names - turtles, wreaths, bombs, bunches,...







# Make your own rug!

You will get papers that represents halves, thirds, quarters...

Design your own rug.

Calculate how many halves, thirds, quarters... you have used for your  
Pilot rug.

**Enjoy your work!**