



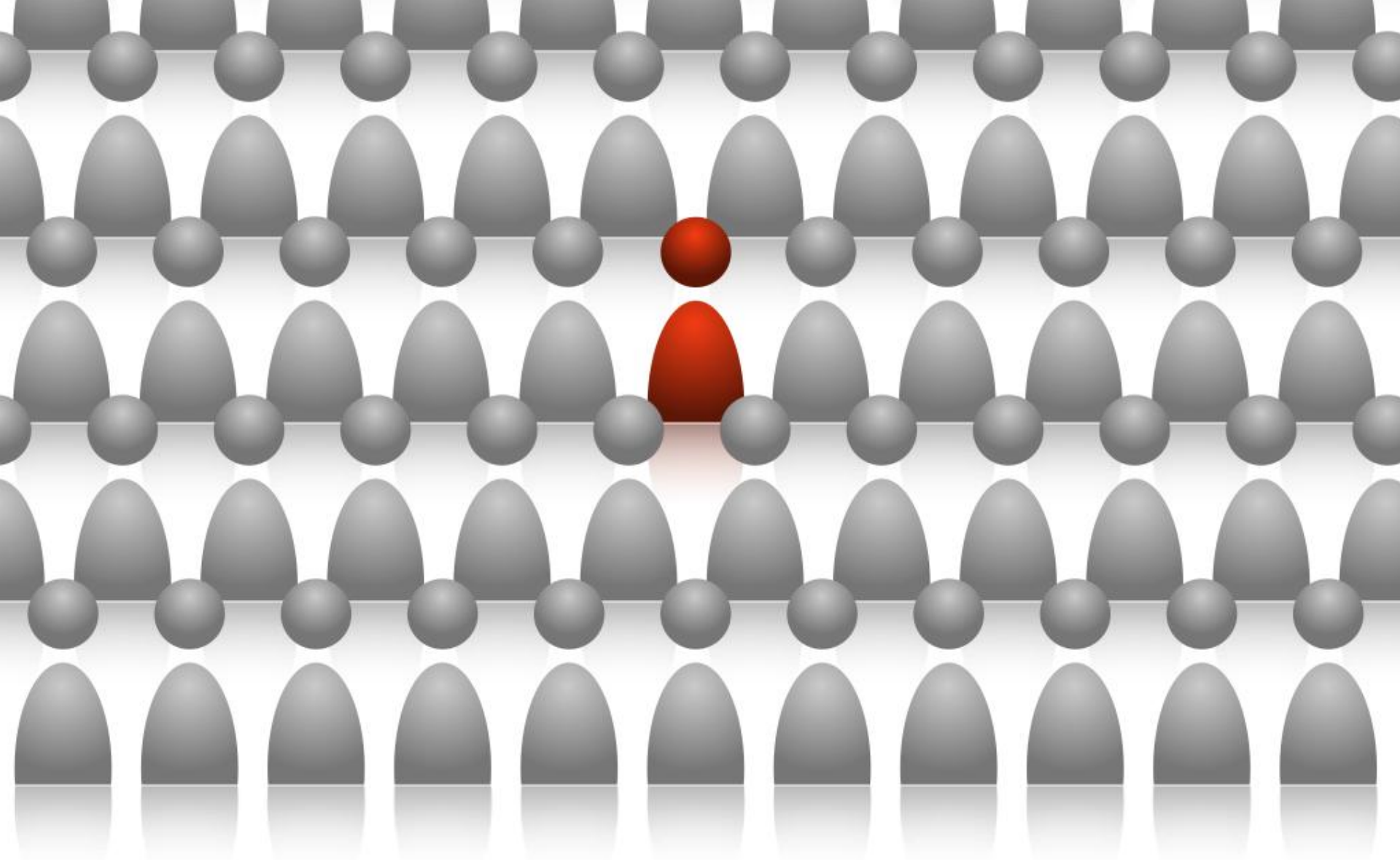
shifthappens

DID YOU
KNOW

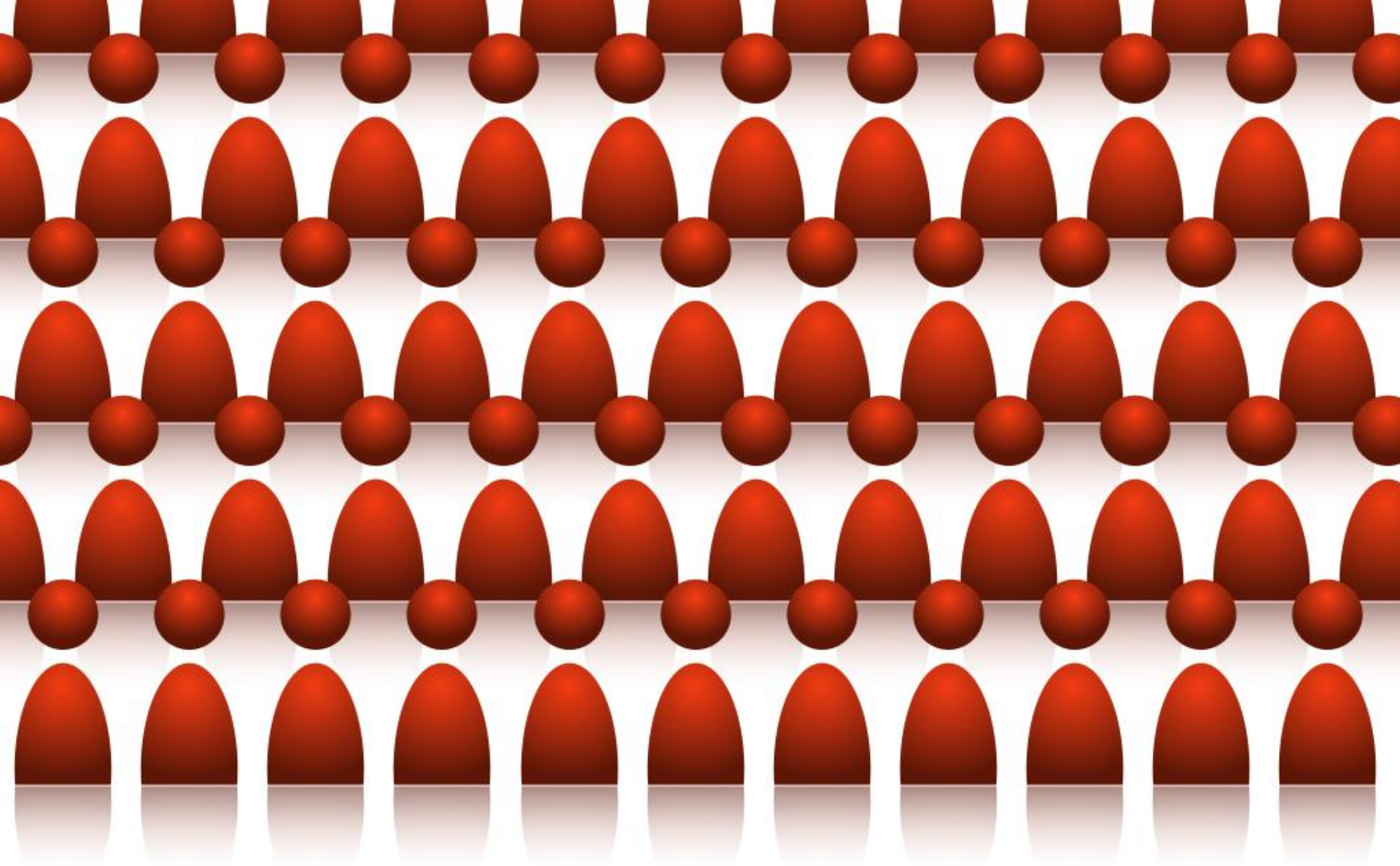


**Sometimes size
does matter**





If you're one in a million in China...

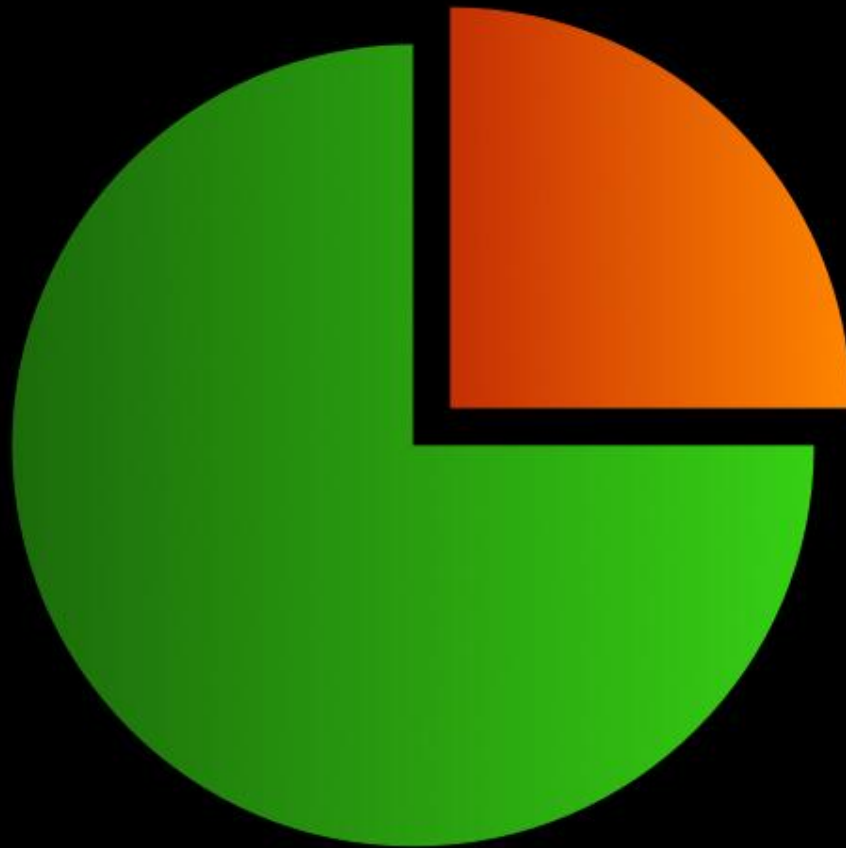


...there are 1,300 people just like you

In India there are 1,100 people
just like you



The 25% of the population in China
with the highest IQ's...



**...is greater than the total population
of North America.**

In India, it's the top 28%

Translation:

**They have more honors kids
than we have kids**



DID YOU
KNOW



China will soon become the **number one
English speaking country in the world**





**If you took every single job in the U.S. today
and shipped it to China...**



**...China would still have
a labor surplus**



**During the course
of this presentation...**



60 babies
will be born in the U.S.

244 babies
will be born in China

351 babies
will be born in India





The U.S. Department of Labor estimates that
today's learner will have 10-14 jobs...

...by the age of

38

1 out of 4 workers today
is working for a company they have been
employed by for less than one year

more than 1 out of 2
are working for a company they have
worked for for less than five years.



**According to former
Secretary of Education
Richard Riley...**

**...the top 10 in-demand jobs in 2010
did not exist in 2004**

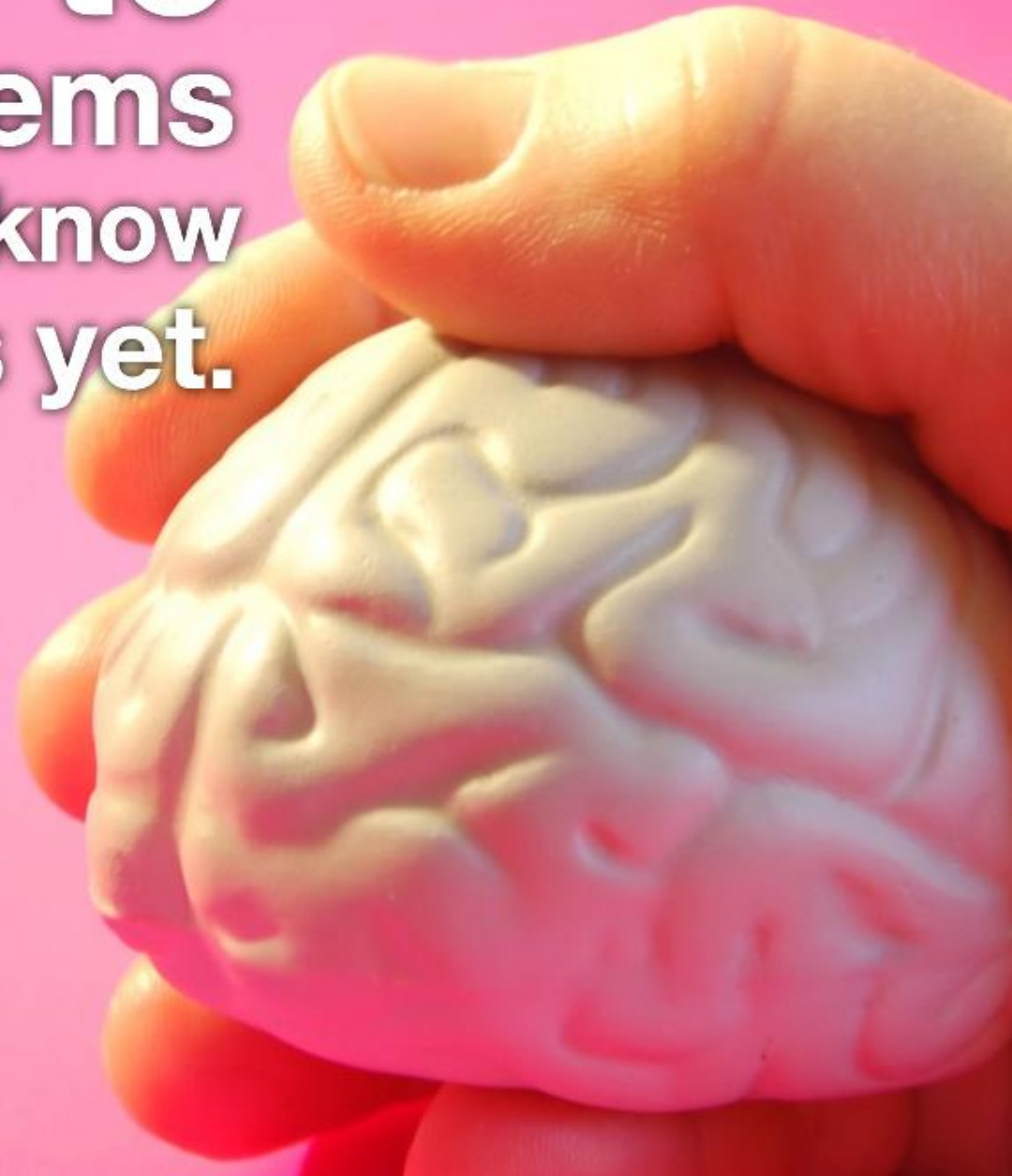
**We are currently
preparing students
for jobs that
don't yet exist...**



using technologies
that haven't
been invented...



**in order to
solve problems
we don't even know
are problems yet.**



POP QUIZ

Name this country...

- ✓ **Richest in the world**
- ✓ **Largest military**
- ✓ **Center of world business and finance**
- ✓ **Strongest education system**
- ✓ **World center of innovation and invention**
- ✓ **Currency the world standard of value**
- ✓ **Highest standard of living**

England... in 1900



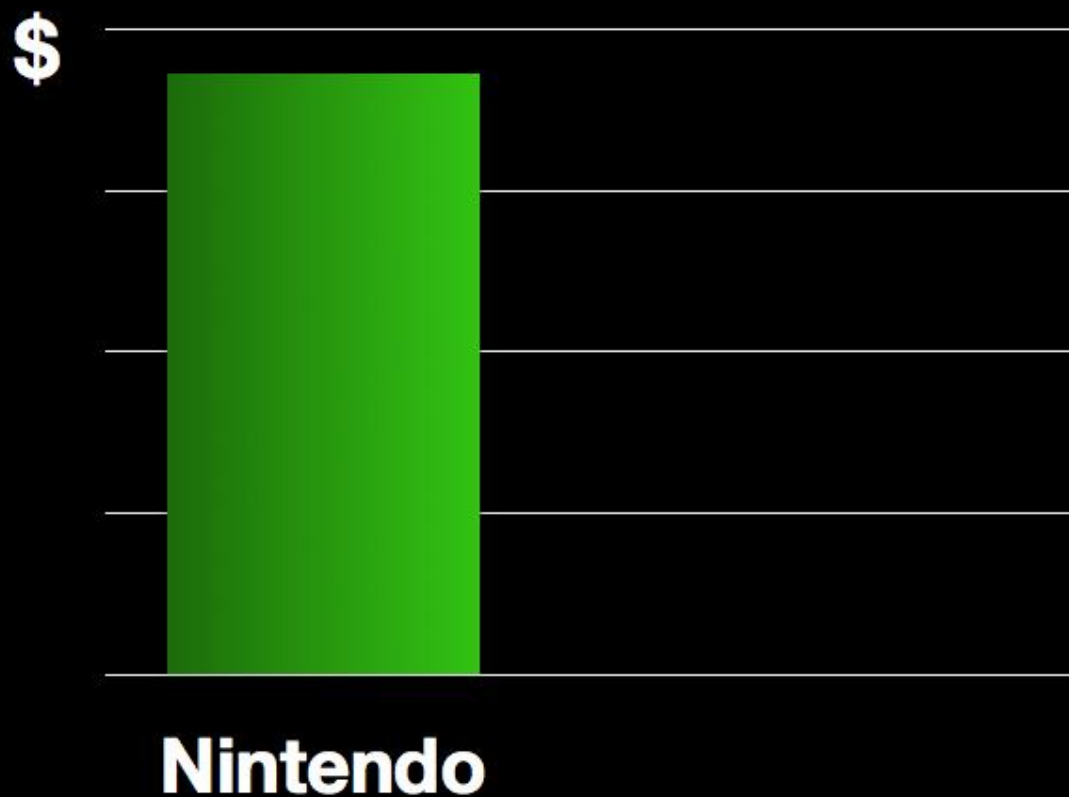
DID YOU
KNOW



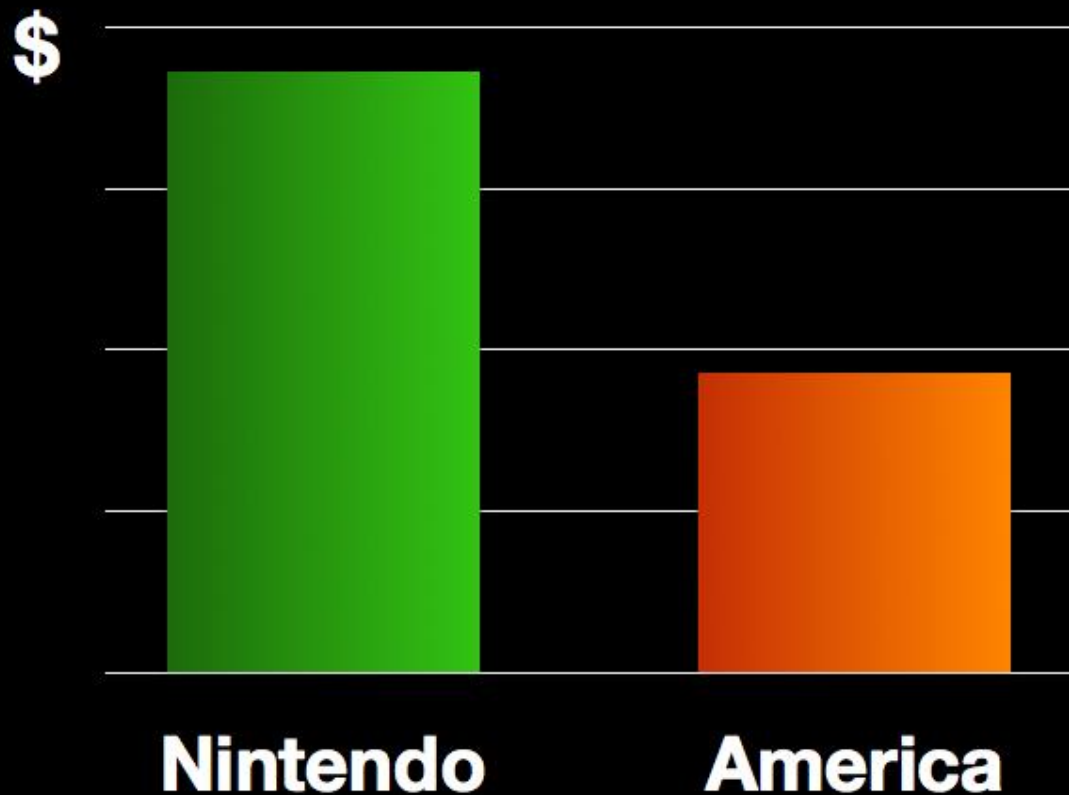
**The U.S. ranks
20th in the world
in broadband
internet
penetration**



**In 2002 Nintendo invested
more than \$140 million
in research and development.**



The U.S. Federal Government spent
less than half as much
on Research and Innovation in Education.

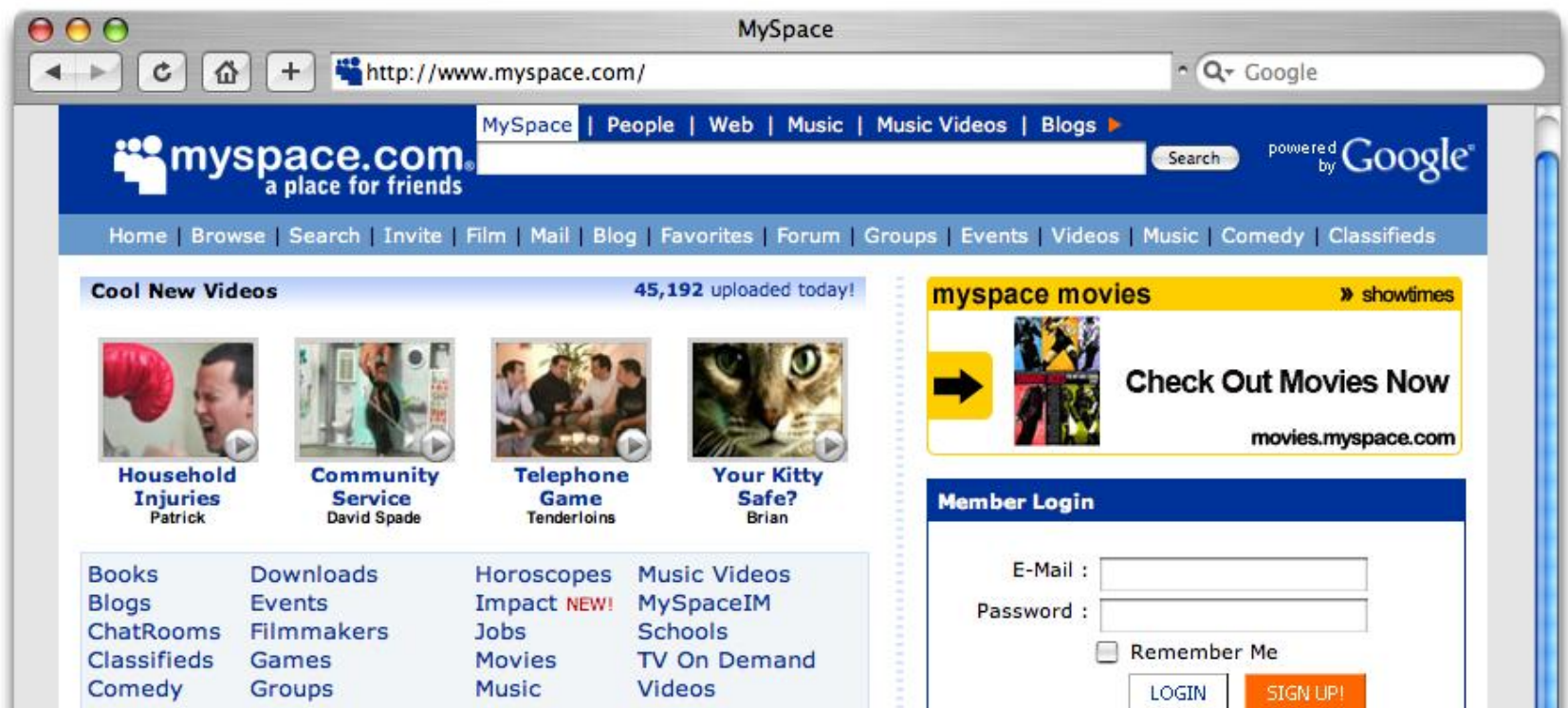




**1 out of 8 couples married
in the U.S. last year met online**



There are over **106 million** registered users of MySpace (as of September 2006)



**If MySpace were a country,
it would be the 11th-largest in the world**

(between Japan and Mexico)

The average
MySpace page
is visited
30 times
per day



**DID YOU
KNOW**



**We are living in
exponential times**



There are over 2.7 billion searches performed on Google each month



To whom were these questions addressed
before Google?

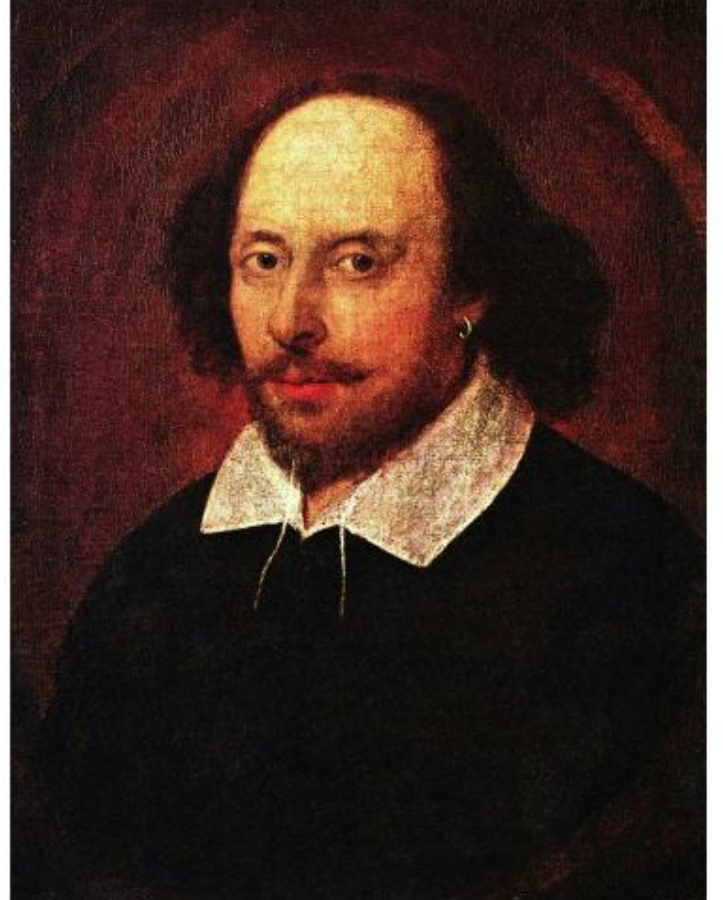


The number of text messages
sent and received every day
**exceeds the total
population of the planet**



**There are about 540,000 words
in the English language...**

about 5X as many as
during Shakespeare's time.



**More than 3,000 new books
are published every day**



It is estimated that a week's worth of New York Times...



...contains more information
than a person was likely to come across
in a lifetime in the 18th century.

It is estimated that 40 exabytes (4.0×10^{19})
of unique new information
will be generated worldwide this year.



**That is more than in the
previous 5,000 years.**

**The amount of new technical information is
doubling every 2 years**

2X

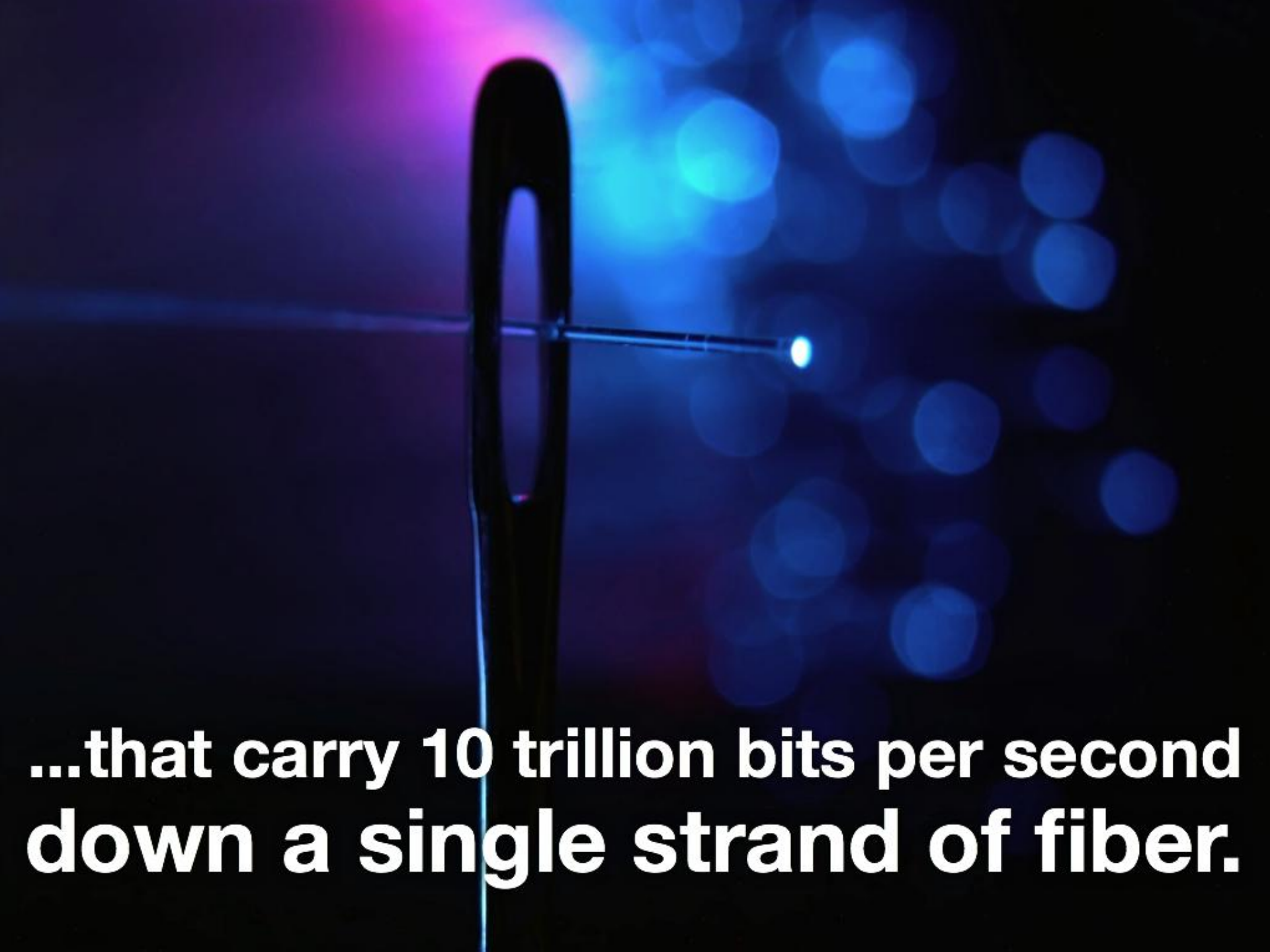
**For students starting a four-year
technical or college degree,
this means that...**

**half of what they learn in their first
year of study will be outdated
by their third year of study.**

**By 2010 it is predicted to
double every 72 hours**

Third generation fiber optics
have recently been separately tested
by NEC and Alcatel...





**...that carry 10 trillion bits per second
down a single strand of fiber.**

**That is 1,900 CDs
or 150 million phone calls
every second**



It is currently tripling every 6 months and is expected to do so for the next 20 years

**e-paper will eventually be
cheaper than real paper**

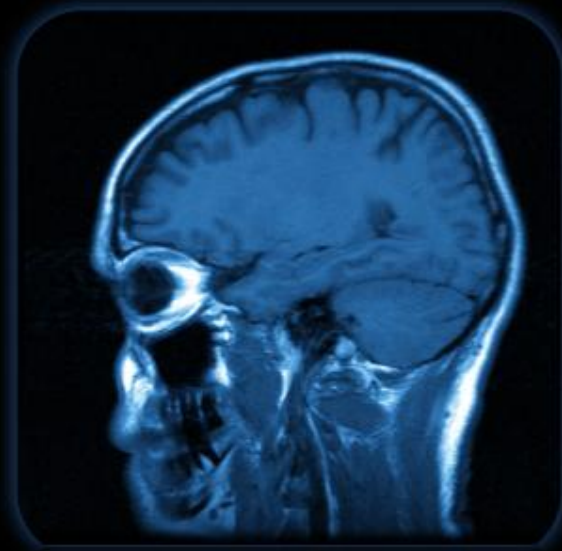




47 million laptops were shipped worldwide last year.

The \$100 laptop project is expecting to ship **between 50 and 100 million laptops a year** to children in underdeveloped countries





**Predictions are that by 2013 a supercomputer
will be built that exceeds the computation
capability of the human brain**

And while technical predictions further out than about 15 years are hard to do...



**predictions are that by 2049 a \$1,000 computer
will exceed the computational capabilities
of the entire human species**

So, what does it all mean?



shift**happens**

NOW YOU
KNOW

Credits:

- Content based on a slideshow by Karl Fisch
- Source of content: The Fischbowl Blog
<http://thefischbowl.blogspot.com>

Credits:

- Presentation design by Jeff Brenman of:

