

## Packaging industry numbers pairwork guessing game

Work in pairs with one Student A worksheet and one Student B worksheet, without showing your worksheets to each other. Choose one of the numbers on your worksheet, change it into a question, e.g. "What percentage of...?" or "How many...?" and see if your partner can guess the right number. Give your partner hints such as "Far higher" and "Very slightly lower" after each guess until they get exactly the right answer. They can only guess per hint. Then take turns doing the same.

| Useful language for asking questions about numbers  |
|---|
| <ul style="list-style-type: none"> <li>● "What percentage...?"</li> <li>● "What fraction...?"</li> <li>● "What is/ was the... rate...?"</li> <li>● "How many...?"</li> <li>● "How much...?"</li> <li>● "When...?"</li> <li>● "In what year...?"</li> <li>● "How often...?"</li> </ul> |

| Useful language for telling people how far they are from the right number |                           |            |  |
|---|---------------------------|------------|--|
| "(That's almost right but it's actually)"<br><br>"(The real number is)"   | far/ much                 | more       | "(than what you said)."<br>"(than that number)."<br>"(than...)." |
|   | considerably/ quite a lot | higher     |  |
|   | slightly/ a little/ a bit | longer     |  |
|   | very slightly/ a tiny bit | more often |  |
|   |                           | later      |  |
|   |                           | less       |  |
|   |                           | fewer      |  |
|   |                           | lower      |  |
|   |                           | shorter    |  |
|   |                           | less often |  |
|   |                           | earlier    |  |

When your teacher stops the game, ask about any numbers which you don't understand, think could be different in real life, are not sure how to pronounce, etc, pronouncing and discussing the numbers as a class each time.

Do the pronouncing numbers presentation below.

### Extension

Play the same game with numbers that you know such as ones related to your own company.

## Student A

Choose one of the numbers on your worksheet, change it into a question, e.g. "What percentage of...?" or "How many...?" and see if your partner can guess the right number. Give your partner hints such as "Far higher" and "Very slightly lower" after each guess until they get exactly the right answer. They can only guess per hint. Then take turns doing the same.

### Simple numbers

- Pharmaceutical packaging makes up five percent of all packaging.
- The number of labelling machines sold is expected to increase by five percent a year.
- Rigid and flexible plastics made up thirty four percent of the packaging industry in the year two thousand nine.
- Cans make up sixty five percent of the metal packaging market.
- The Japanese packaging group Toyo Seikan has seventy eight subsidiaries.

### Large numbers

- There were seven hundred paper and board packaging companies in France in the year two thousand and fourteen.
- Alibaba ships twelve million parcels a day in China.
- The global packaging market was eight hundred and twelve million dollars in twenty fourteen.
- Food packaging was worth a hundred and sixty one billion dollars in two thousand nine.
- Four hundred and ten billion cans were used in the year two thousand and fifteen.
- The estimate for global spending on packaging in twenty twenty four is one point one trillion dollars.

### Decimals

- The global packaging industry is growing at three point five percent per year.
- The manufacture of packaging machinery in Germany declined by seven point five percent between twenty twelve and twenty fourteen.
- Sales of filling machines is forecast to grow by five point two percent year on year.
- The Brazilian packaging industry grew by eight point five percent in two thousand and nine.

### Fractions

- China was predicted use a quarter of all paper and board packaging in twenty twenty.
- Beverage packaging is about a fifth of the global packaging industry.

### Dates

- The Japanese packaging group Toyo Seikan was founded in nineteen thirty three.
- The first commercial canning factory was set up in London in eighteen twelve.
- The manufacture of paper bags was first automated in eighteen fifty two.

*When your teacher stops the game, ask about any numbers which you don't understand, think could be different in real life, are not sure how to pronounce, etc, pronouncing and discussing the numbers as a class each time.*

## Student B

Choose one of the numbers on your worksheet, change it into a question, e.g. "What percentage of...?" or "How many...?" and see if your partner can guess the right number. Give your partner hints such as "Far higher" and "Very slightly lower" after each guess until they get exactly the right answer. They can only guess per hint. Then take turns doing the same.

### Simple numbers

- The MENA area packaging sector is forecast to grow by five percent per year.
- Paper and board made up thirty eight percent of packaging in the year two thousand nine.
- The packaging industry in Turkey grew by nineteen percent in two thousand and nine.
- Eighty six percent of the packaging machinery produced in Italy is exported.

### Large numbers

- The French plastic and flexible packaging industry had thirty eight thousand employees in the year twenty fourteen.
- The French glass packaging industry employed six thousand eight hundred people in twenty fourteen.
- The average person spent a hundred and fourteen dollars on packaging in twenty fifteen.
- Eight hundred eighty billion bags and sachets were produced in the year twenty fifteen.
- The cosmetic packaging market was worth thirteen point three billion dollars in two thousand and nine.
- Twenty one point one million tonnes of PET will be used annually by twenty twenty one.

### Decimals

- The Latin American packaging machinery market is forecast to expand by five point six percent a year.
- The chemical industry packaging machinery market is expected to grow by five point four percent per year.
- The annual growth in sales of wrapping machines is predicted to be five point six percent.
- Glass packaging is forecast to drop nought point three percent a year in Europe.

### Fractions

- Asia makes up about a quarter of the global packaging industry.
- About two fifths of packaging is food packaging.

### Dates

- The first degree in Packaging Engineering was offered in nineteen fifty two.
- British companies first sold tinfoil boxes in seventeen twenty five.
- The can opener was invented in eighteen fifty five.
- Paper packaging was first used in the year ten thirty five.

*When your teacher stops the game, ask about any numbers which you don't understand, think could be different in real life, are not sure how to pronounce, etc, pronouncing and discussing the numbers as a class each time.*

## **Pronouncing numbers presentation**

### **Different ways of saying numbers**

*Think of at least one different way of saying each of the numbers below. Even small changes in pronunciation are okay. Then check above or a class.*

#### **Large numbers**

- The global packaging market was eight hundred twelve million dollars in 2014.
- Four hundred ten billion cans were used in the year 2015.
- The estimate for global spending on packaging in 2024 is one trillion one hundred billion dollars.
- The French glass packaging industry employed sixty eight hundred people in 2014.
- The average person spent one hundred fourteen dollars on packaging in 2015.
- Eight hundred and eighty billion bags and sachets were produced in the year 2015.
- The cosmetic packaging market was worth thirteen billion three hundred million dollars in 2009.

#### **Decimals**

- Glass packaging is forecast to drop zero point three percent a year in Europe.

#### **Fractions**

- China was predicted to use a fourth of all paper and board packaging in 2020.
- Beverage packaging is about one fifth of the global packaging industry.

#### **Dates**

- The Japanese packaging group Toyo Seikan was founded in nineteen hundred and thirty three.
- Paper packaging was first used in the year one thousand and thirty five.

## **Pronouncing numbers practice**

*Pronounce the numbers which are written as figures below, then check above or a class.*

### **Simple numbers**

- Pharmaceutical packaging makes up 5% of all packaging.
- Cans make up 65% of the metal packaging market.

### **Large numbers**

- There were 700 paper and board packaging companies in France in the year two thousand and fourteen.
- Alibaba ships 12,000,000 parcels a day in China.
- Food packaging was worth \$161,000,000,000 in two thousand nine.
- The French plastic and flexible packaging industry had 38,000 employees in the year twenty four.
- 21,100,000 t of PET will be used annually by twenty twenty one.

### **Decimals**

- The global packaging industry is growing at 3.5% per year.
- The Brazilian packaging industry grew by 8.5% in two thousand and nine.

### **Fractions**

- Asia makes up about  $\frac{1}{4}$  of the global packaging industry.
- About  $\frac{2}{5}$  of packaging is food packaging.

### **Dates**

- The first commercial canning factory was set up in London in 1812.
- The first degree in Packaging Engineering was offered in 1952.