Lesson 7

What is 12 rounded to the nearest ten?

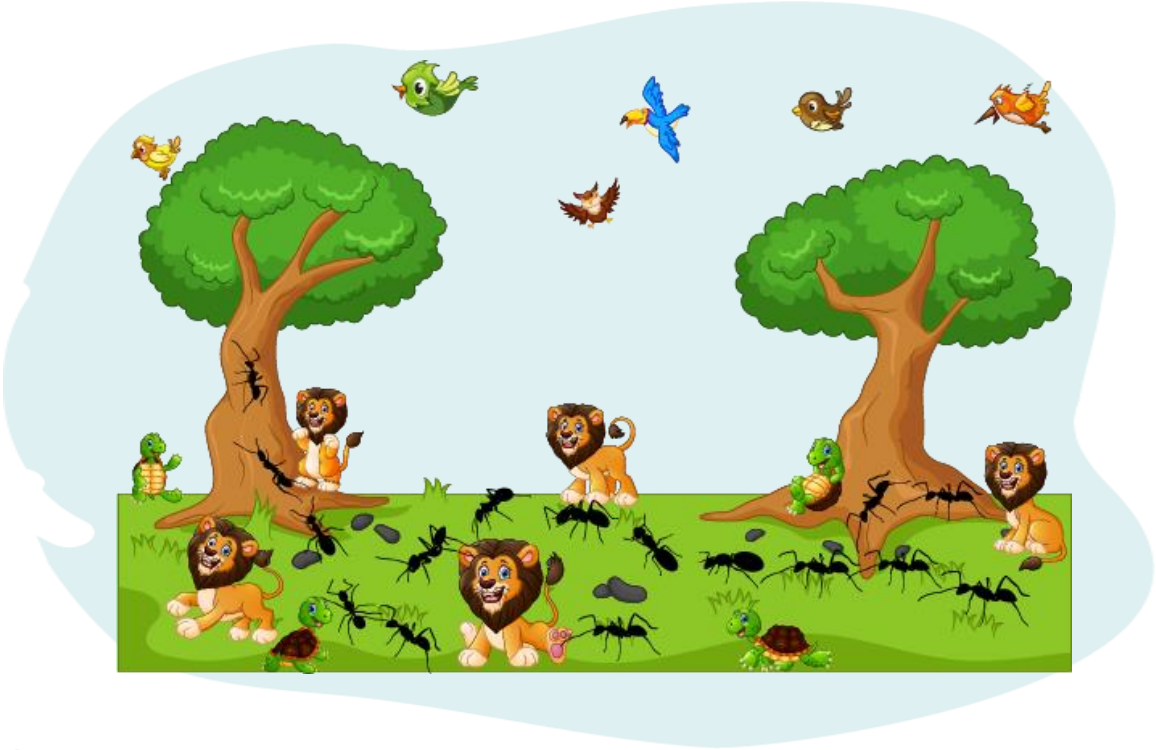
Let's learn about "rounding" and "estimate".

Warm up

Let's sing a song!

Flash back

1. Talk about the table you completed.



animal	number	rounded
birds		
tortoises		
lions		
ants		

Flash back

2. Read the conversation.

(Mandy and Jimmy are talking about how to round.)

Mandy: How many tulips are in the vase ?

Jimmy: Let me count. One, two, three … There are twelve tulips.

Mandy: What is 12 rounded to the nearest ten?

Jimmy: Sorry, I don't know.

Mandy: Well, let me teach you. First, find the digit in the tens place. This is the place we want to round. So for the number 12, which digit is in the tens place?

Jimmy: 1 is in the tens place.

Mandy: Yes, you're right. If the digit in the ones place is less than 5, round down, then replace the digit in the ones place with zero. If the digit is 5 or higher, round up, then add 1 to the tens place.

Jimmy: Oh, I see. Because 2 is less than 5, I need to round down and replace the digit in the ones place with zero. So 12 can be rounded to 10, right?

Mandy: Ha ha ... You got it!

Flash back

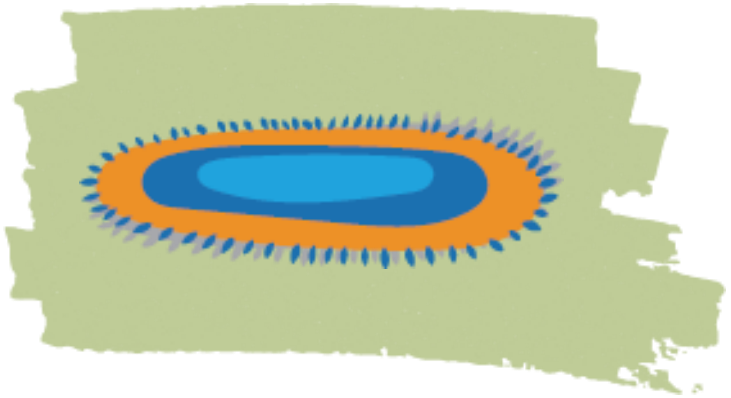
3. Fill in the form and make up conversations using it.

animals	number	round
koala	15	
monkey	26	
dolphin	35	
elephant	11	

A: What did you see at the zoo last Saturday?
B: I saw many koalas. They are cute and they can climb trees ...
A: How many koalas did you see?
B: There were ...
A: What is ... rounded to the nearest ten?
B: ...

Branch out

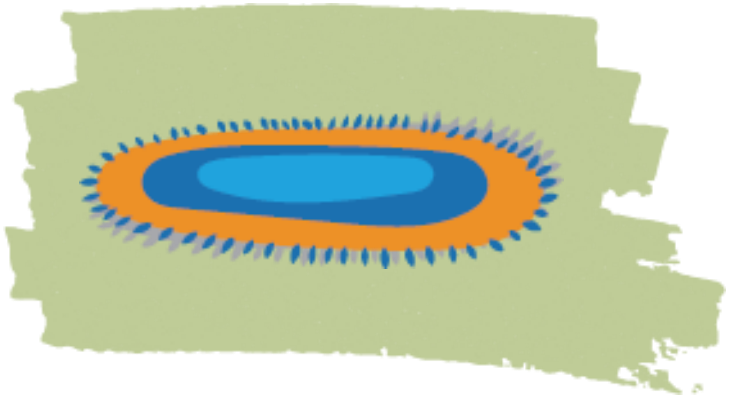
Let's learn new words.



rug

Branch out

Let's learn new words.



rug

He's sleeping on that soft rug.

Branch out

Let's learn new words.

pillow

Branch out

Let's learn new words.

pillow

I have a pillow with my name on it.

Branch out

Let's learn new words.

total

Branch out

Let's learn new words.

total

The total cost of the groceries is 234 dollars.

Branch out

Read and Learn.

Mr. Brown wants to buy a rug and
a pair of pillows for his bedroom.
The rug costs $39, and the pillows cost $22.
About how much does he need to pay?
Estimate the sum by rounding each number to
the nearest ten, then add.
39 + 22 = ?
40 + 20 = ?
Now add: 40 + 20 = 60
So, the total cost is about $60.
Rounding is useful in our daily life.
When we round a number, we make it simpler but keep its value
close to what it was.

Branch out

Answer the questions about the short passage.

A What does Mr. Brown want to buy?

B How much does Mr. Brown need to pay?

C Why is rounding useful in our daily life?

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Work out

1. Peer work: Ask your classmate questions.

What's ... rounded to the nearest ten?

Work out

2. Round the equations.

1 29 + 38 = ?

↓ ↓

____ + ____ = ____

2 51 + 27 = ?

↓ ↓

____ + ____ = ____

3 48 - 23 = ?

↓ ↓

____ - ____ = ____

4 66 - 22 = ?

↓ ↓

____ - ____ = ____

5 11 + 31 = ?

↓ ↓

____ + ____ = ____

6 73 - 18 = ?

↓ ↓

____ - ____ = ____

Do you agree with your partner's answer?

Work out

3. Work out each math problem with your partner then make an estimate.

1. The number of students in Class One is 53. There are 21 girls. To the nearest ten, how many boys are in Class One?

2. A waiter has served 77 adults and 21 children today. About how many guests were served?

3. James went shopping last Sunday. He bought a shirt that cost $25 and a pair of shoes that cost $39. To the nearest ten, about how much did he spend in total?

Extra step

We've learned the concept of "rounding" and "estimate" today.
Do you know how to describe the relationship between the exact number and the estimate?
For example, what's the relationship between 22 and 20?
We can say that:
The number 22 can be rounded to 20.

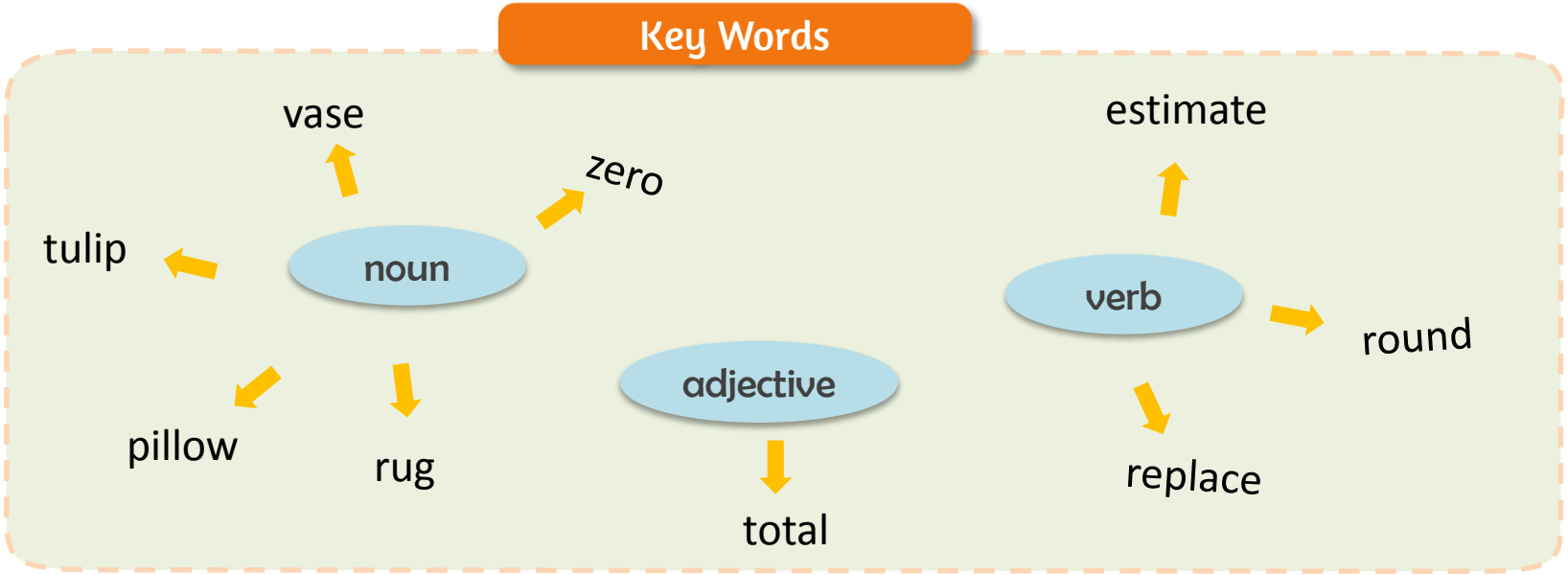
Let's try!

1. Describe the relationship between these numbers.

9 & 10　　32 & 30　　58 & 60

2. What's the advantage (好处) of using an "estimate"?

Sum up


Key Words
noun
vase
zero
tulip
pillow
rug
adjective
total
verb
estimate
round
replace

Sum up

Key Words

1. What is 12 rounded to the nearest ten?

2. If the digit in the ones place is less than 5, round down, then replace the digit in the ones place with zero.