

Partition numbers



1 Partition each of the numbers below. You may use Base 10 to help you.

a has tens and ones.

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d has tens and ones.

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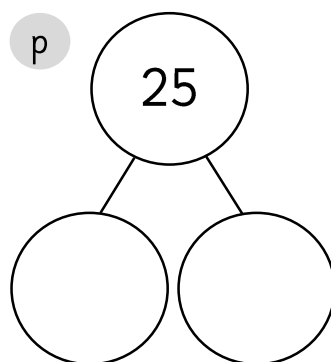
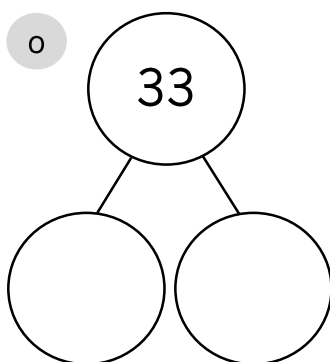
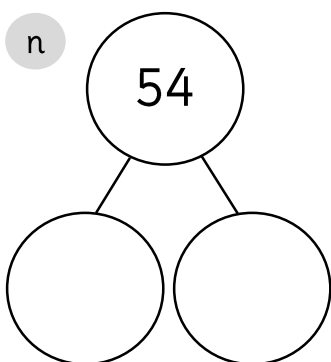
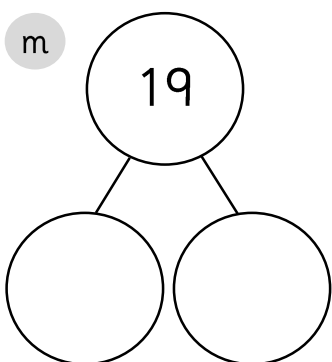
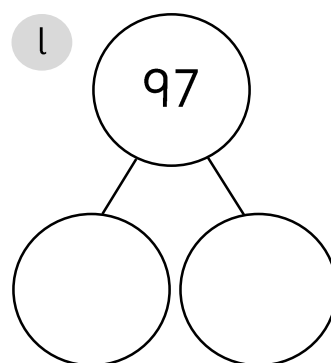
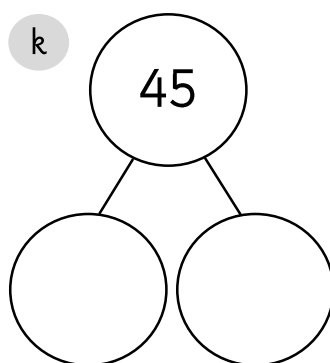
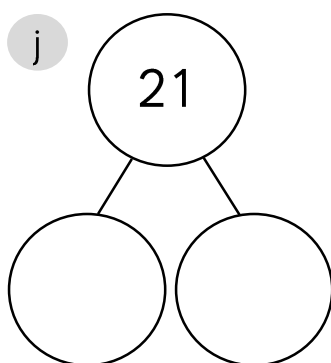
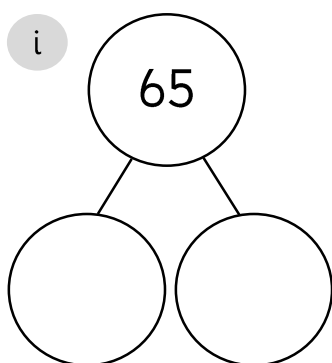
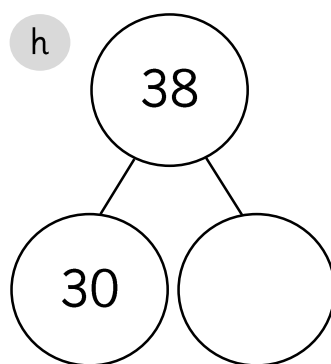
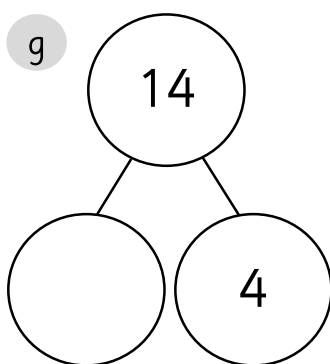
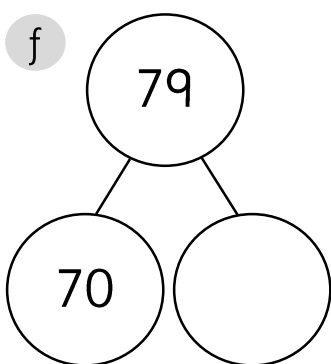
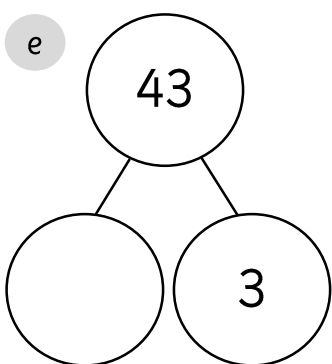
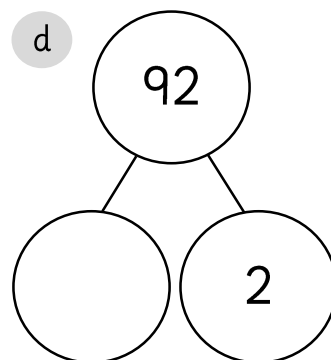
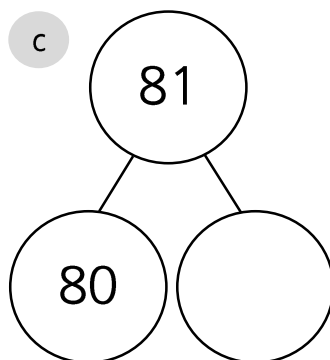
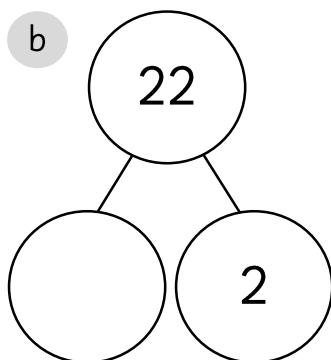
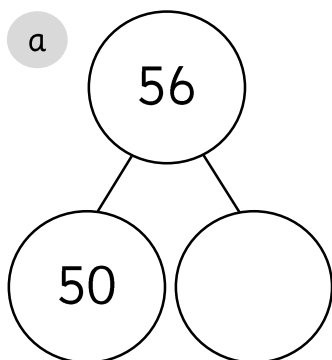
j has tens and ones.

k has tens and ones.

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- 1 Partition each of the numbers and represent this in the part-whole diagrams. You may use Base 10 to help you.



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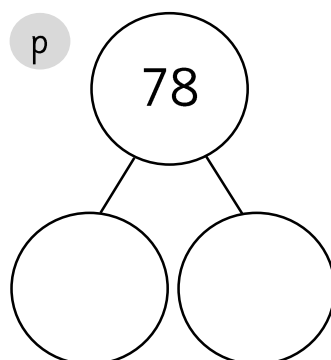
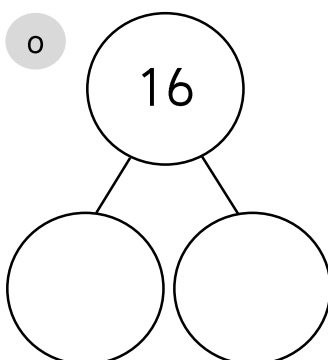
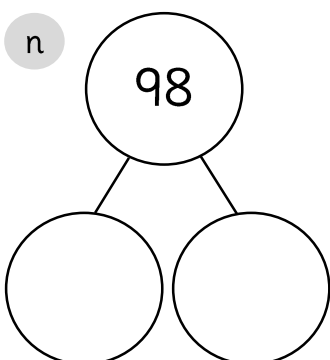
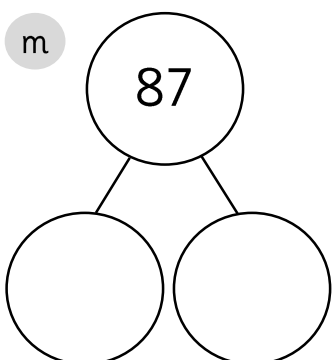
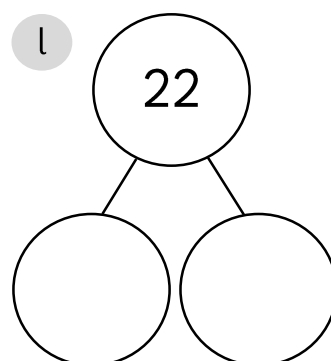
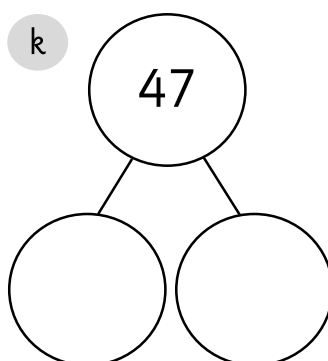
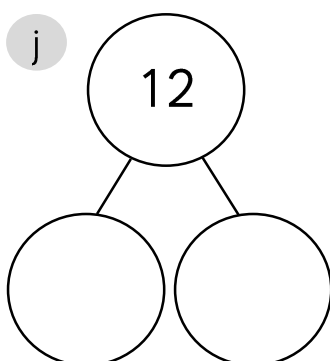
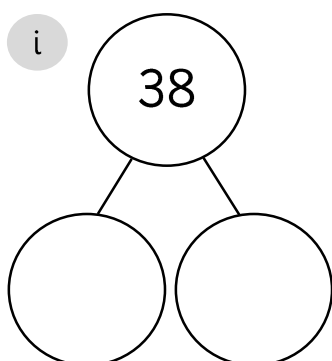
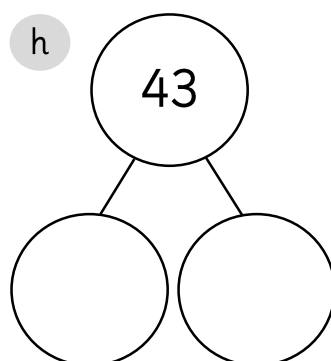
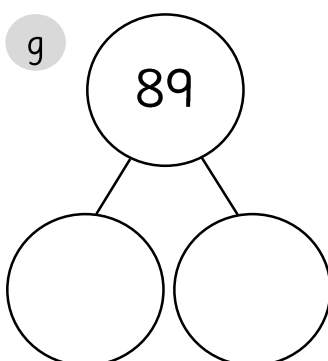
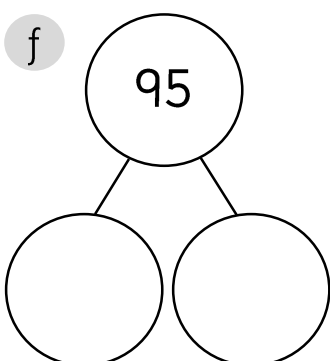
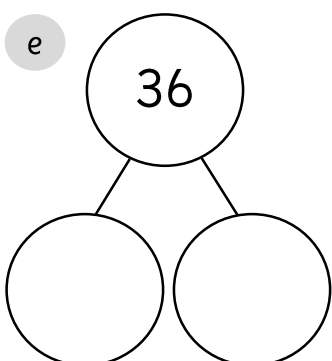
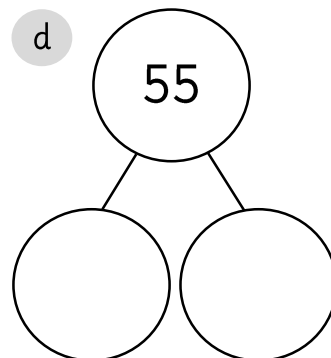
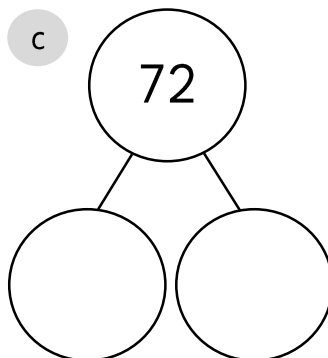
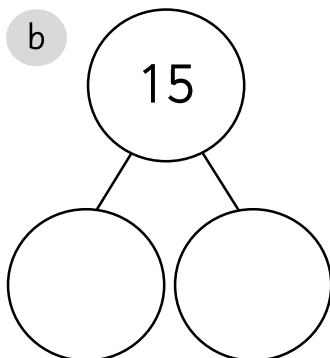
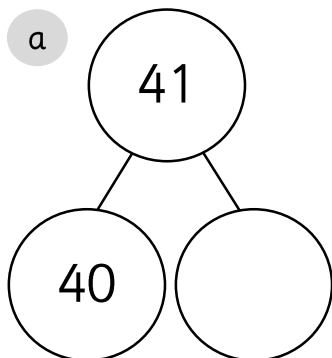
j has tens and ones.

k has tens and ones.

Partition numbers



- 1 Partition each of the numbers and represent this in the part-whole diagrams. You may use Base 10 to help you.



Partition numbers



1 Complete the partition sentences below.

a has tens and ones.

b has tens and ones.

c has tens and ones.

d has tens and ones.

e has tens and ones.

2 Complete the partition problems.

a I am double 9. What number am I?

I am . I have ten and ones.

b I am the number in between 78 and 80. What number am I?

I am . I have tens and ones.

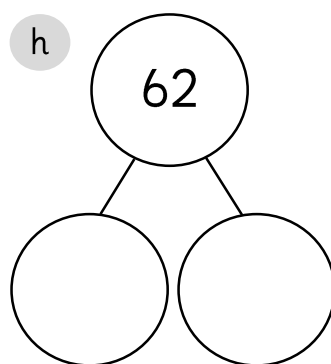
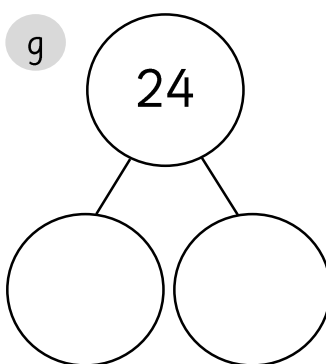
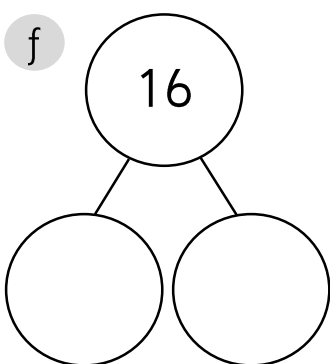
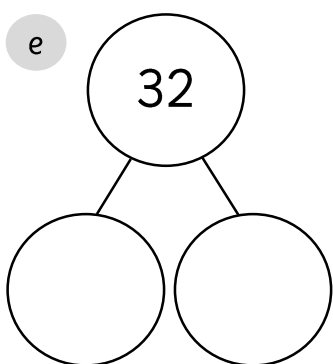
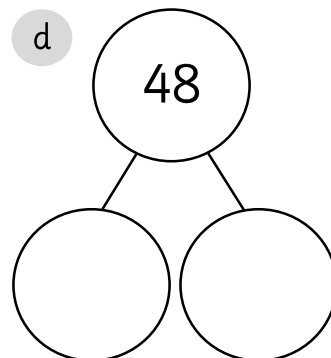
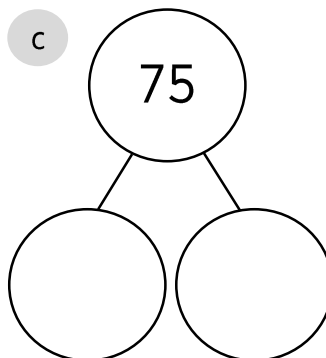
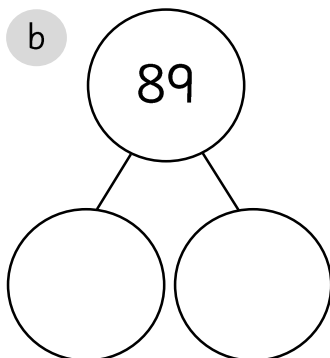
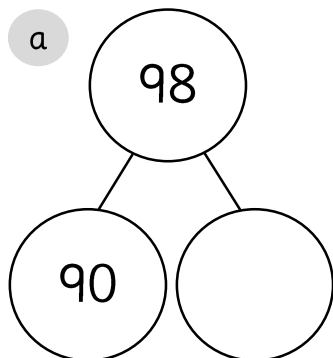
c I am equal to 4 lots of 10. What number am I?

I am . I have tens and ones.

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1 Partition each of the numbers and represent this in the part-whole diagrams. You may use Base 10 to help you.



2 Partition each of the numbers into tens and ones. The first one has been done for you.

a 76 _____ 7 tens and 6 ones _____ = _____ 70 + 6 _____

b 38 _____ = _____

c 54 _____ = _____

d 68 _____ = _____

e 12 _____ = _____

f 97 _____ = _____

Challenge cards



Problem solving and reasoning cards:

Match the partitions to the clues.

$80 + 9$

I am the number in between 95 and 99.

$80 + 4$

I have 9 tens and less than 5 ones.

$90 + 8$

The tens digit is less than my ones digit.

$90 + 4$

I am the smallest number.



My number has 4 tens and less than 7 ones.

What could Kat's number be?

List all possibilities.

Complete the table.

Clue	Possible numbers
9 tens and less than 4 ones.	
7 ones and less than 5 tens.	
1 ten and less than 5 ones.	
9 ones and less than 3 tens.	

A digit with no tens is a 1-digit number.

Always, sometimes or never?
Explain your answer.

Sue



I have 7 tens and more than 4 ones.

Mo



I have 7 tens and less than 5 ones.

Who has the biggest number?
Explain how you know.

Complete the sentences.

- Ten tens is equal to _____ hundred.
- Ten ones is equal to 1 _____.
- Two tens is equal to _____ ones.
- Sixty ones is equal to _____ tens.
- Nine tens is equal to 90 _____.