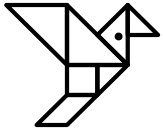


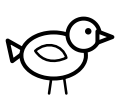


Learn a new puzzle

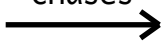
River Crossing



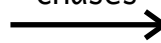
Get everyone across the river safely.



chases

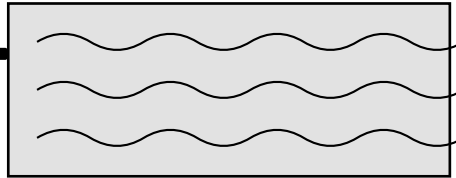


chases



The boat holds you and 1 animal.

Never leave a chaser with the one it chases, unless you are there.

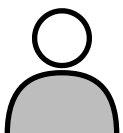


river

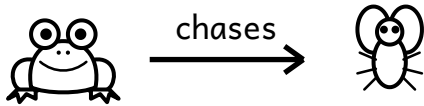
other side

What is the fewest number of trips? _____

- 1 Before each trip, check who is left behind.
- 2 A chaser can't stay with the one it chases unless you are there.
- 3 You may bring an animal back!

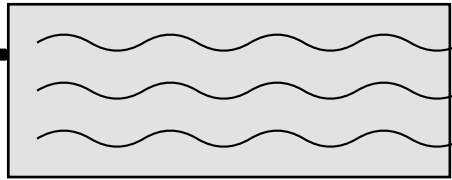


Ask: who is safe to leave together?

**1 River Crossing** Get everyone across the river safely.

The boat holds you and 1 animal.

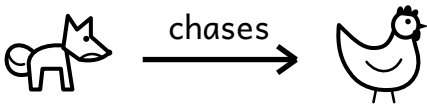
Never leave a chaser with the one it chases, unless you are there.



river

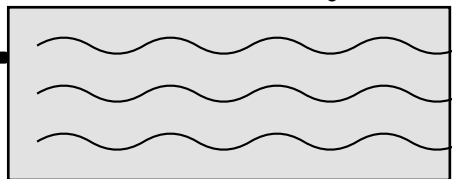
other side

What is the fewest number of trips? _____

2 River Crossing Get everyone across the river safely.

The boat holds you and 1 animal.

Never leave a chaser with the one it chases, unless you are there.



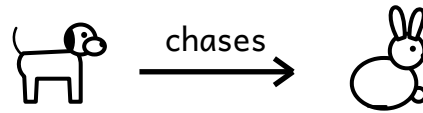
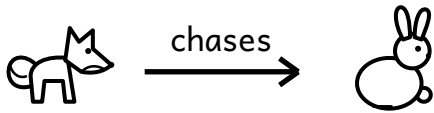
river

other side

What is the fewest number of trips? _____

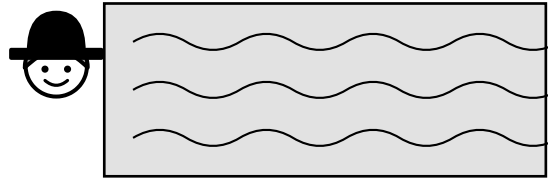


3 River Crossing Get everyone across the river safely.



The boat holds you and 1 animal.

Never leave a chaser with the one it chases, unless you are there.

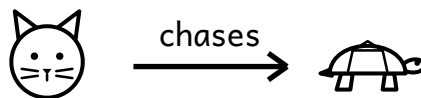
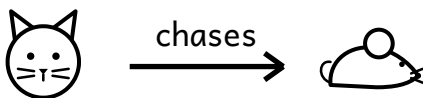


river

other side

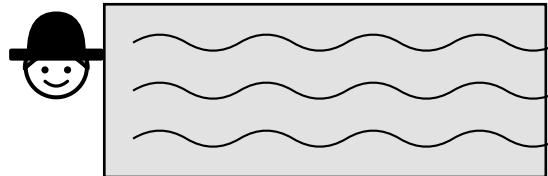
What is the fewest number of trips? _____

4 River Crossing Get everyone across the river safely.



The boat holds you and 1 animal.

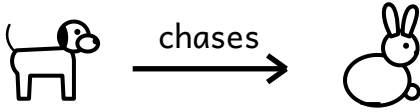
Never leave a chaser with the one it chases, unless you are there.



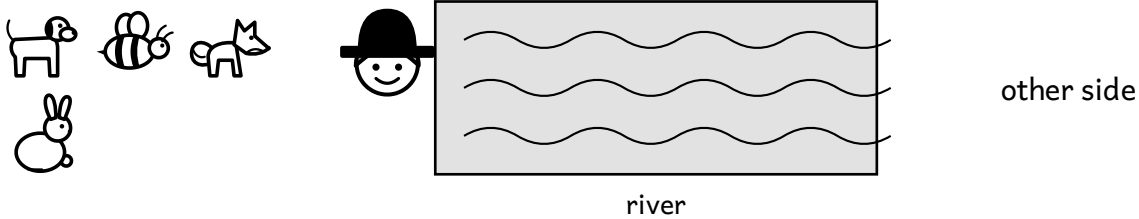
river

other side

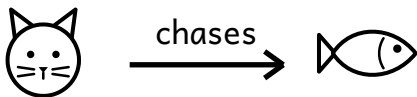
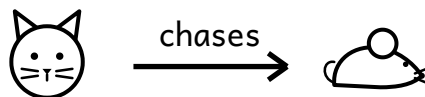
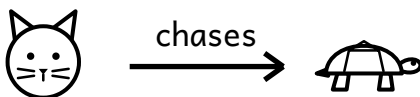
What is the fewest number of trips? _____

**5 River Crossing** Get everyone across the river safely.

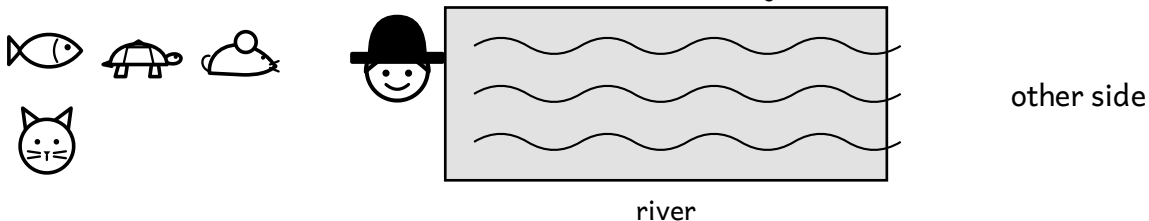
The boat holds you and 2 animals.
Never leave a chaser with the one it chases, unless you are there.



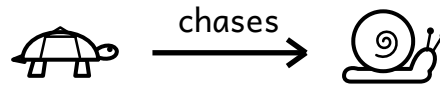
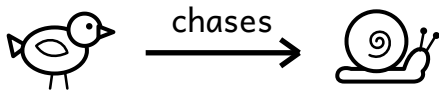
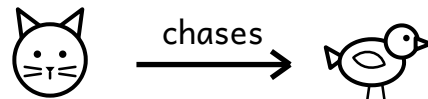
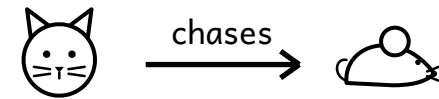
What is the fewest number of trips? _____

6 River Crossing Get everyone across the river safely.

The boat holds you and 2 animals.
Never leave a chaser with the one it chases, unless you are there.

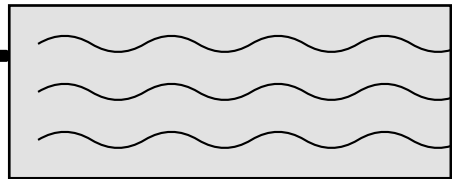
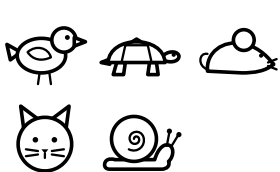


What is the fewest number of trips? _____

**7 River Crossing** Get everyone across the river safely.

The boat holds you and 2 animals.

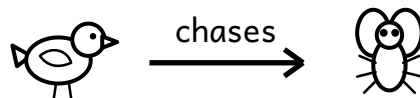
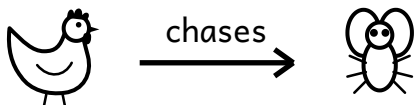
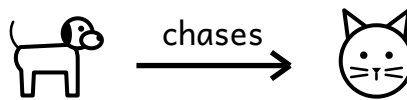
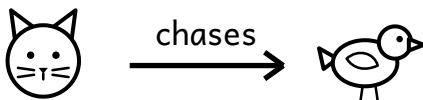
Never leave a chaser with the one it chases, unless you are there.



river

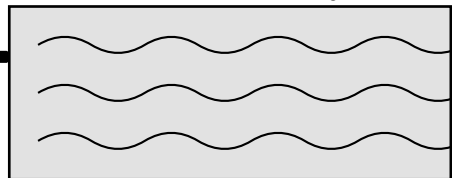
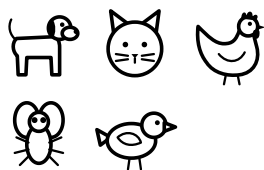
other side

What is the fewest number of trips? _____

8 River Crossing Get everyone across the river safely.

The boat holds you and 2 animals.

Never leave a chaser with the one it chases, unless you are there.



river

other side

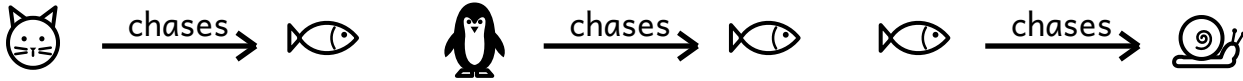
What is the fewest number of trips? _____



9

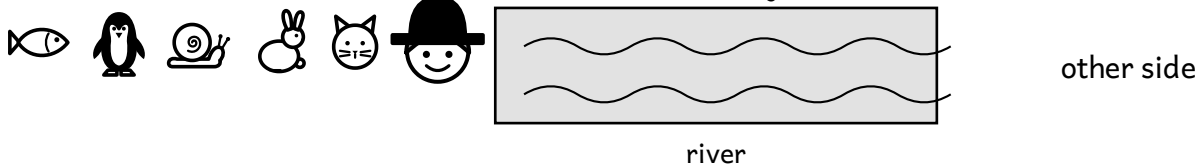
River Crossing

One trip leaves an animal alone with the one that chases it.
Circle the first trip that goes wrong.



The boat holds you and 2 animals.

Never leave a chaser with the one it chases, unless you are there.



Here is a plan. Each trip shows who rides with you.

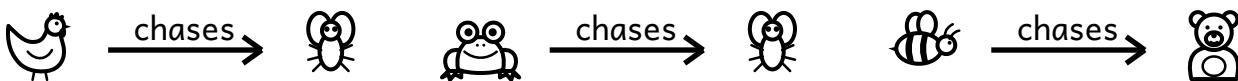
Trip 1 →	fish, penguin
Trip 2 ←	fish
Trip 3 →	bunny, cat

Trip 4 ←	alone
Trip 5 →	fish, snail

10

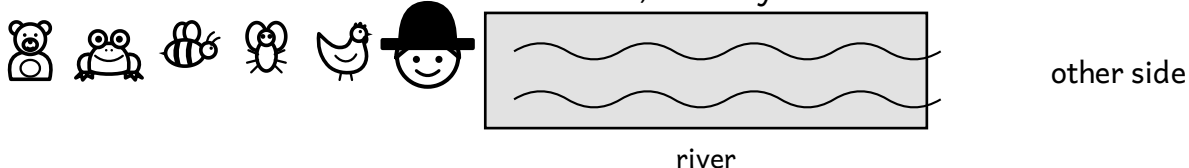
River Crossing

One trip leaves an animal alone with the one that chases it.
Circle the first trip that goes wrong.



The boat holds you and 2 animals.

Never leave a chaser with the one it chases, unless you are there.



Here is a plan. Each trip shows who rides with you.

Trip 1 →	bee, fly
Trip 2 ←	alone
Trip 3 →	frog, hen

Trip 4 ←	frog
Trip 5 →	bear, frog



Answers For grown-ups. Cut off or keep this page aside until the puzzles are done.

Learn · River Crossing

7 trips: → bird ← alone → cat ←
bird → fly ← alone → bird

#1

5 trips: → frog ← alone → hen ←
alone → fly
5 trips at the fewest: 1. take the frog;
2. come back alone; 3. take the hen; 4.
come back alone; 5. take the fly.

#2

5 trips: → fox ← alone → bunny ←
alone → hen
5 trips at the fewest: 1. take the fox;
2. come back alone; 3. take the bunny;
4. come back alone; 5. take the hen.

#3

7 trips: → bunny ← alone → dog ←
bunny → fox ← alone → bunny
7 trips at the fewest: 1. take the
bunny; 2. come back alone; 3. take the
dog; 4. bring the bunny back (it can't
stay with the dog); 5. take the fox; 6.
come back alone; 7. take the bunny.

#4

9 trips: → cat ← alone → dog ←
alone → mouse ← cat → turtle ←
alone → cat
9 trips at the fewest: 1. take the cat;
2. come back alone; 3. take the dog; 4.
come back alone; 5. take the mouse; 6.
bring the cat back (it can't stay with
the mouse); 7. take the turtle; 8. come
back alone; 9. take the cat.

#5

3 trips: → fox+bunny ← alone →
dog+bee
3 trips at the fewest: 1. take the fox
and the bunny; 2. come back alone; 3.
take the dog and the bee.

#6

5 trips: → cat ← alone → fish+mouse
← cat → turtle+cat
5 trips at the fewest: 1. take the cat;
2. come back alone; 3. take the fish
and the mouse; 4. bring the cat back
(it can't stay with the fish); 5. take the
turtle and the cat.

#7

7 trips: → cat+snail ← alone →
turtle ← snail → bird+mouse ← cat →
cat+snail
7 trips at the fewest: 1. take the cat
and the snail; 2. come back alone; 3.
take the turtle; 4. bring the snail back
(it can't stay with the turtle); 5. take
the bird and the mouse; 6. bring the
cat back (it can't stay with the bird);
7. take the cat and the snail.

#8

7 trips: → cat+fly ← alone → hen ←
fly → dog+bird ← cat → cat+fly
7 trips at the fewest: 1. take the cat
and the fly; 2. come back alone; 3.
take the hen; 4. bring the fly back (it
can't stay with the hen); 5. take the
dog and the bird; 6. bring the cat back
(it can't stay with the dog); 7. take the
cat and the fly.

#9

Trip 3 goes wrong: the fish is left
with the snail on this side.
Trip 3 goes wrong. Trips 1 and 2 are
safe. After trip 3, you are on the
other side, so the fish is left alone
with the snail on this side. The fish
chases the snail.

#10

Trip 4 goes wrong: the hen is left
with the fly on the other side.
Trip 4 goes wrong. Trips 1 to 3 are
safe. After trip 4, you are on this side,
so the hen is left alone with the fly on
the other side. The hen chases the fly.