

Beach Habitat

Habitats are places that plants and animals live.

What Do Animals and Plants Need from a Habitat?

food

water

shelter

What Might You Find in a Beach Habitat?

Mammals	seal 	otter 	porpoise 
Birds	puffin 	seagull 	oystercatcher 
Minibeasts	prawns 	starfish 	hermit crab 
Plants	seaweed 	marram 	sea holly 

What Could We Do to Help Look after Our Beaches?

Do:

- keep a safe distance away from animals;
- leave the shells at the beach;
- take your litter home;
- take photos of plants instead of picking them.



Questions

1. What lives in a habitat? Tick one.
 - stones
 - animals and plants
 - clouds
2. What do animals and plants need? Tick one.
 - cars, pens and hats
 - chairs, beds and TVs
 - food, water and shelter
3. Tick a type of bird that you might find at the beach.
 - seagull
 - sea holly
 - otter
4. What is a puffin? Tick one.
 - a minibeast
 - a plant
 - a bird
5. Tick two things you could do to help look after our beaches.
 - take your litter home
 - drop litter
 - leave the shells at the beach

Answers

1. What lives in a habitat? Tick one.
 - stones
 - animals and plants**
 - clouds
2. What do animals and plants need? Tick one.
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What Might You Find in a Beach Habitat?

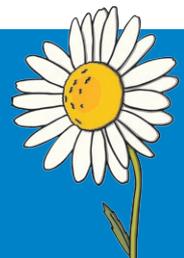
Mammals	seal 	otter 	porpoise 
Birds	puffin 	seagull 	oystercatcher 
Minibeasts	prawns 	starfish 	hermit crab 
Plants	seaweed 	marram 	sea holly 

How Are the Creatures Suited to Live Here?

Oystercatchers use their strong, flattened, red bills to break open shellfish to eat. Puffins use their wings to help them swim and dive for fish. Otters use their webbed feet to swim and their tails to push, steer and balance themselves.

What Could We Do to Help Look after Our Beaches?

- Keep a safe distance away from animals instead of touching them.
- Leave the shells at the beach instead of collecting them.
- Take litter home instead of dropping it.
- Take photos of plants and flowers instead of picking them.



Questions

1. Tick two things animals and plants need from a habitat.

- wings
- shelter
- food

2. What is marram? Tick one.

- a mammal
- a plant
- a minibeast

3. Find and copy **one word** which means 'tough'.

4. Complete the sentence by adding in the missing word.

Otters use their webbed feet to swim and their tails to _____, steer and balance themselves.

5. What could you do to help look after our beaches? Tick one.

- take photos of plants and flowers
- collect shells
- pick plants and flowers

Answers

1. Tick two things animals and plants need from a habitat.

wings

shelter

food

2. What is marram? Tick one.

a mammal

a plant

a minibeast

3. Find and copy **one word** which means 'tough'.

strong

4. Complete the sentence by adding in the missing word.

Otters use their webbed feet to swim and their tails to **push**, steer and balance themselves.

5. What could you do to help look after our beaches? Tick one.

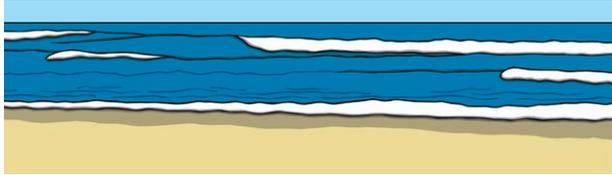
take photos of plants and flowers

collect shells

pick plants and flowers

Beach Habitat

Habitats are environments that plants and animals live in. Habitats provide animals and plants with three important things: food, water and shelter.



Types of Coastal Habitats

- beaches
- sand dunes
- rocky shores
- cliffs
- muddy estuaries
- seaside towns and cities

What You Might Find in a Beach Habitat?

Beaches are important habitats for many animals and plants, including:

Mammals – harbour (common) seals, grey seals, harbour porpoise and otters;

Birds – oystercatchers, puffins, guillemots, curlews and seagulls;

Minibeasts – mussels, shore crabs, hermit crabs, shrimp, prawns, starfish, common whelks, dog whelks and razor shells;

Plants – seaweed, sea holly, marram and sea lettuce.



How Are the Creatures Suited to Live Here?

Oystercatchers have long, strong, flattened, red bills which they use to break open cockles, mussels and other shellfish to eat. Puffins use their wings to help them swim and dive for fish. Harbour seals can hold their breath for up to 10 minutes. Otters have webbed feet which help them swim well and they use their tails to propel, steer themselves and to balance.

What Could We Do to Help Look after Our Beaches?

We need to keep a safe distance away from animals. We also need to leave the shells at the beach instead of taking them away. We should take our litter home to put in the bin. We should also take photos of plants and flowers instead of picking them.



Questions

1. What do animals and plants need from their habitat?

2. Tick two different coastal habitats.

- sand dunes
- rainforest
- muddy estuaries

3. What is a porpoise?

- a plant
- a mammal
- a minibeast

4. Complete the sentence.

_____ have long, strong, flattened, _____

_____ eat.

5. Which do you think is the most important thing we can do to look after our beaches and why?

Answers

1. What do animals and plants need from their habitat?

Animals and plants need three important things from their habitat:
food, water and shelter.

2. Tick two different coastal habitats.

sand dunes

rainforest

muddy estuaries

3. What is a porpoise?

a plant

a mammal

a minibeast

4. Complete the sentence.

Oystercatchers have long, strong, flattened, **red bills which they use to break open cockles, mussels and other shellfish to eat.**

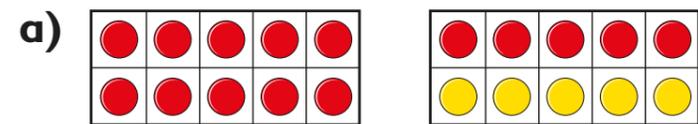
5. Which do you think is the most important thing we can do to look after our beaches and why?

Child's own answers, giving at least one reason.

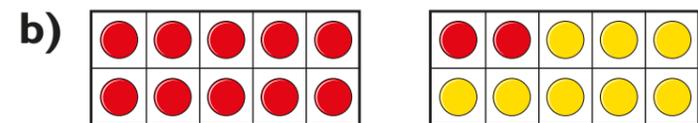
Fact families – addition and subtraction bonds to 20

1 What calculations are represented?

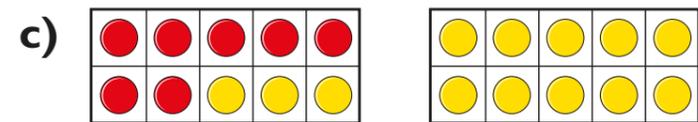
The first one has been done for you.



$$15 + 5 = 20$$



$$\square + \square = \square$$



$$\square + \square = \square$$

d) How many other number bonds to 20 can you make using counters and ten frames?



2 Complete the fact family.

a) $15 + 2 = 17$

$$17 = 15 + 2$$

$$2 + 15 = \square$$

$$\square = \square + \square$$

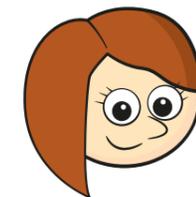
$$17 - 15 = \square$$

$$\square = \square - \square$$

$$\square - \square = \square$$

$$\square = \square - \square$$

b)

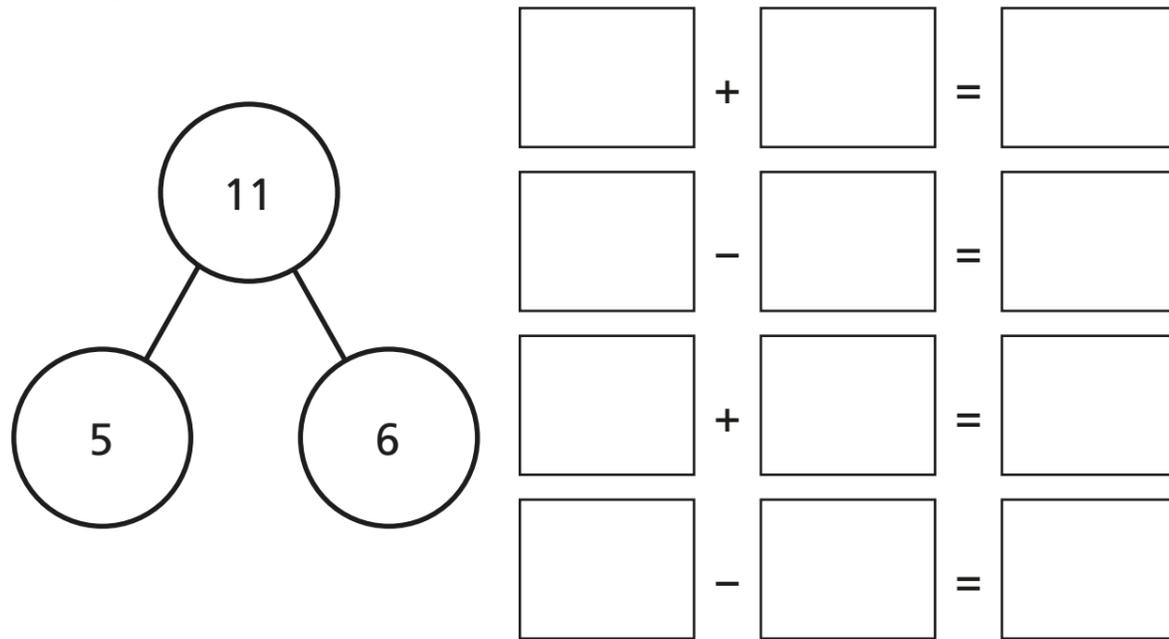


$2 - 17 = 15$ should be in the fact family.

Explain why Rosie is wrong.



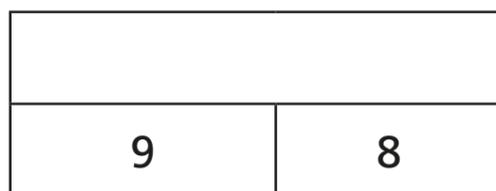
- 3 Complete the number sentences for the part-whole model.



Are there any other number sentences in this fact family?

Talk about it with a partner.

- 4 There are 9 boys and 8 girls in a class. Complete the bar model to represent this.



Write the fact family for the bar model.

- 5 Circle any incorrect calculations.

$3 + 7 = 10$

$10 = 3 + 7$

$7 + 3 = 10$

$10 = 7 + 3$

$10 - 7 = 3$

$7 - 3 = 10$

$3 - 10 = 7$

$7 = 10 - 3$

Explain the mistake that has been made.

- 6 Here are some number cards.



Choose two number cards and find their total.

$\square + \square = \square$

Write the fact family for this calculation.

Compare answers with a partner.



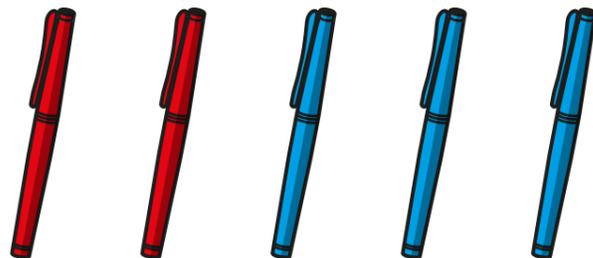
Related facts

1 Use base 10 to show that $3 + 5 = 8$ and $30 + 50 = 80$

Draw your answer.

What is the same about your models?
What is different?

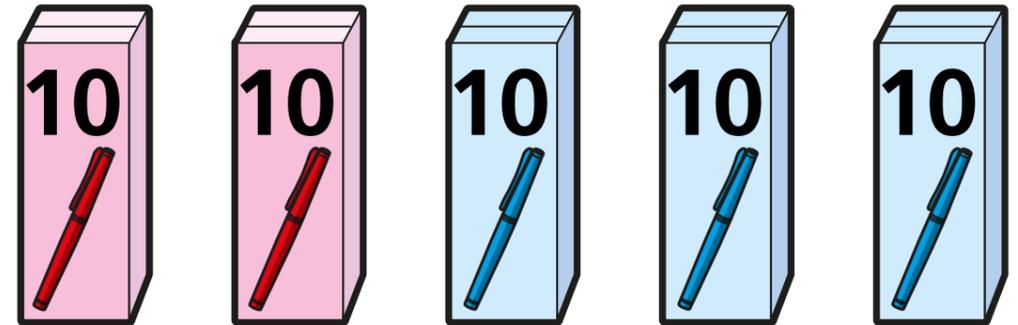
2 a) Eva has 2 red pens and 3 blue pens.



How many pens does Eva have?



b) Tommy has 20 red pens and 30 blue pens.



How many pens does Tommy have?

3 Fill in the missing numbers in the related facts.

a) $1 + 2 = 3$

$10 + 20 =$

b) $7 + 2 = 9$

$70 + 20 =$

c) $4 + 6 =$

+ 60 = 100

d) $1 + 8 = \square$

$\square + 10 = 90$

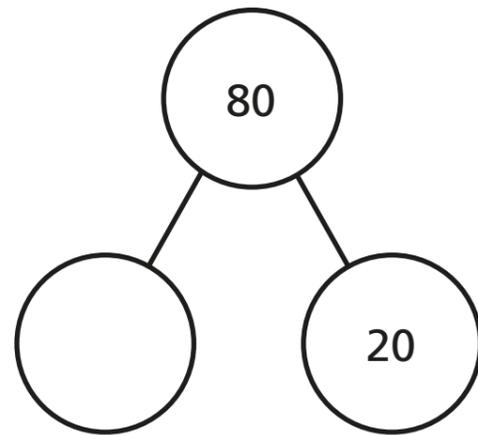
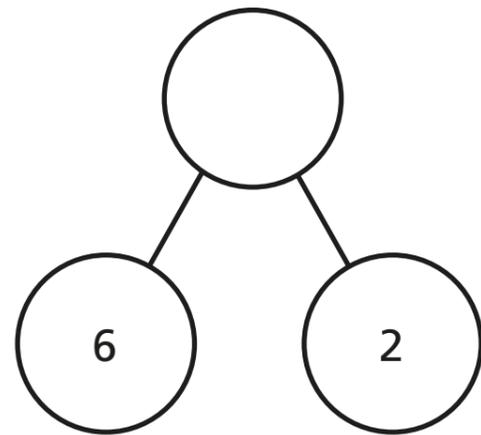
e) $3 + 4 = \square$

$\square + \square = 70$

f) $8 + \square = 8$

$\square + 80 = 80$

4 Complete the part-whole models.



5 Fill in the missing numbers in the related facts.

a) $5 - 3 = 2$

$50 - 30 = \square$

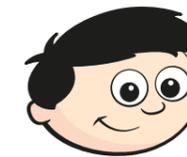
b) $7 - 1 = 6$

$70 - 10 = \square$

c) $10 - 6 = \square$

$\square - 60 = 40$

6



If $3 + 1 = 4$,
then $30 + 10 = 400$ because
there are two zeros.

Do you agree with Dexter? _____

Explain your answer.



Add and subtract 1s

1 a) Jack has 6 cookies.



Annie gives him one more cookie.
How many cookies does he have now?

Jack has cookies now.

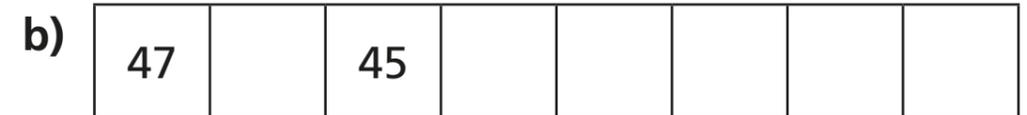
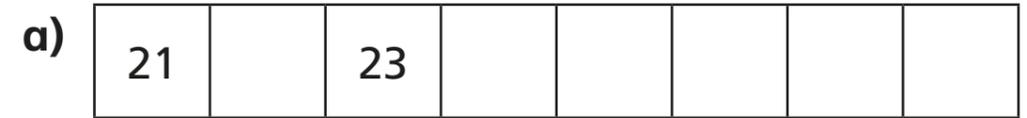
b) Amir has 4 cookies.



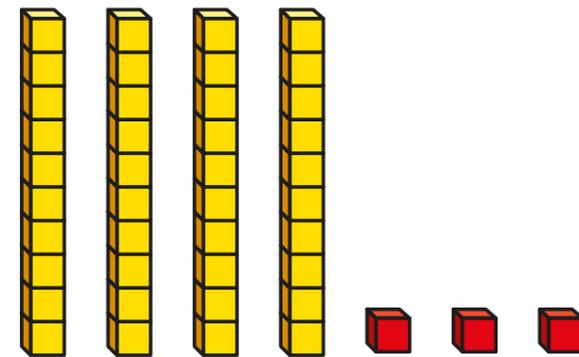
He eats one of his cookies.
How many cookies does he have now?

Amir has cookies now.

2 Complete the number tracks.



3 a) Filip has made a number using base 10



What number has Filip made?

b) Rosie also makes a number using base 10
Rosie's number is one more than Filip's number.

What is Rosie's number?



c) Ron's number is 2 more than Filip's number.

What is Ron's number?

d) Dora's number is 1 less than Filip's number.

What is Dora's number?

4 Complete the calculations.

a) $14 + 1 =$

e) $19 - 1 =$

b) $22 + 1 =$

f) $33 +$

$= 34$

c) $54 + 1 =$

g) $18 = 19 -$

d) $= 1 + 61$

h) $= 89 - 1$

5 Complete the calculations.

a) $14 + 2 =$

e) $19 - 2 =$

b) $22 + 3 =$

f) $33 +$

$= 35$

c) $54 + 4 =$

g) $12 = 19 -$

d) $= 5 + 61$

h) $= 89 - 3$

6 Are the number sentences true or false?

a) $17 + 1 = 1 + 17$

b) $17 - 1 = 1 - 17$

Talk about your answers with a partner.

