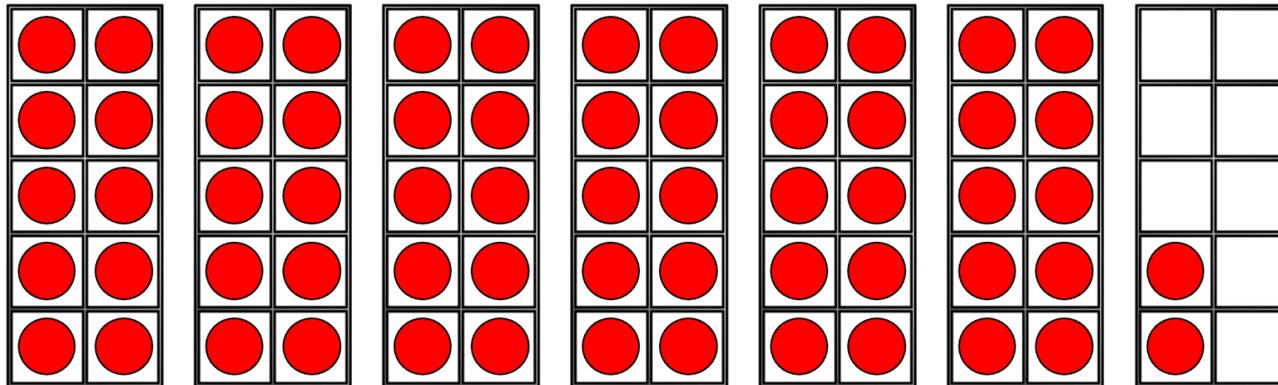
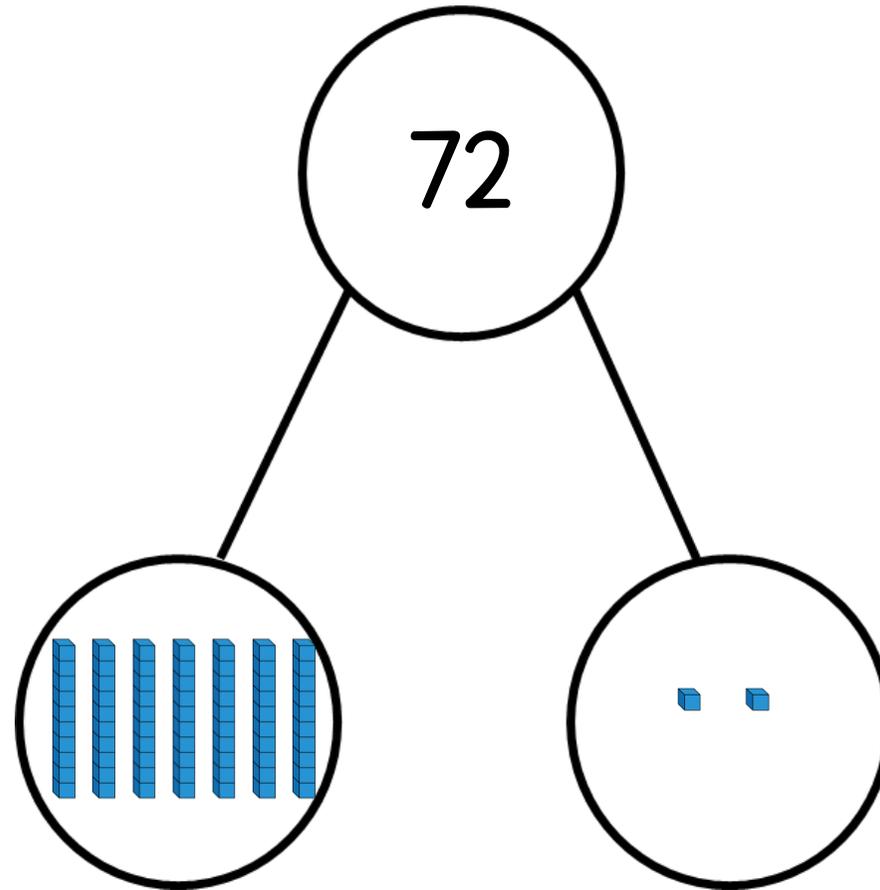


Teddy has made 62

False

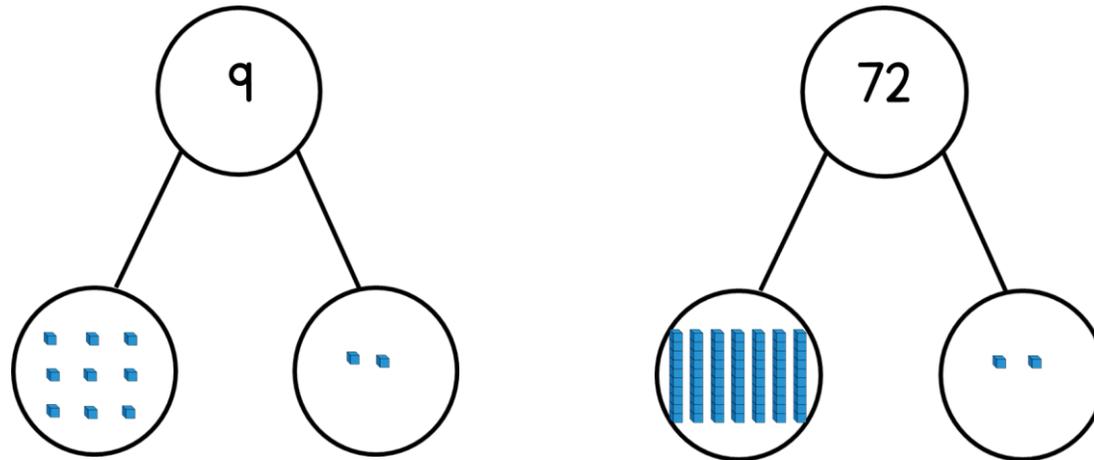


Teddy has made 6 and 2
62 needs 6 full tens and 2 ones



72 can be partitioned into 7 and 2

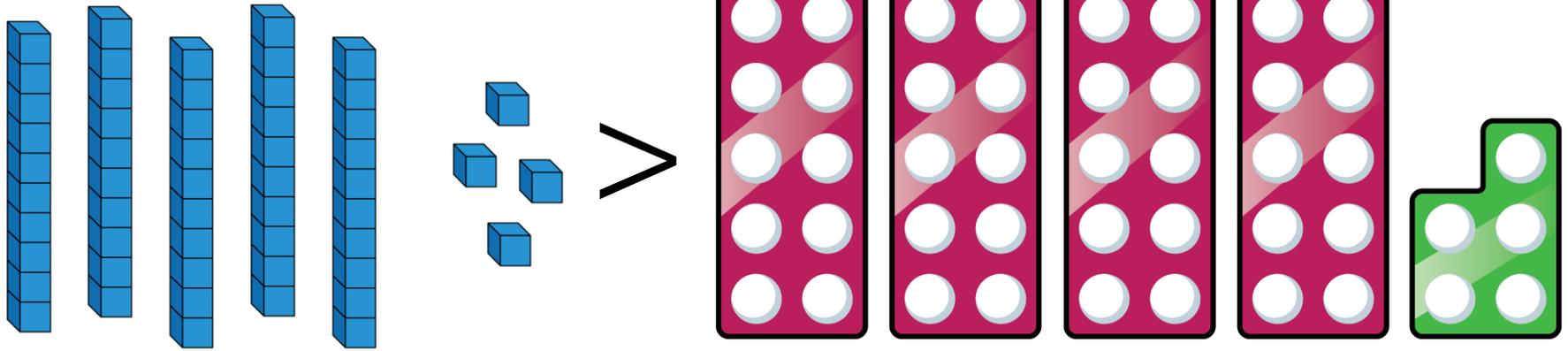
False



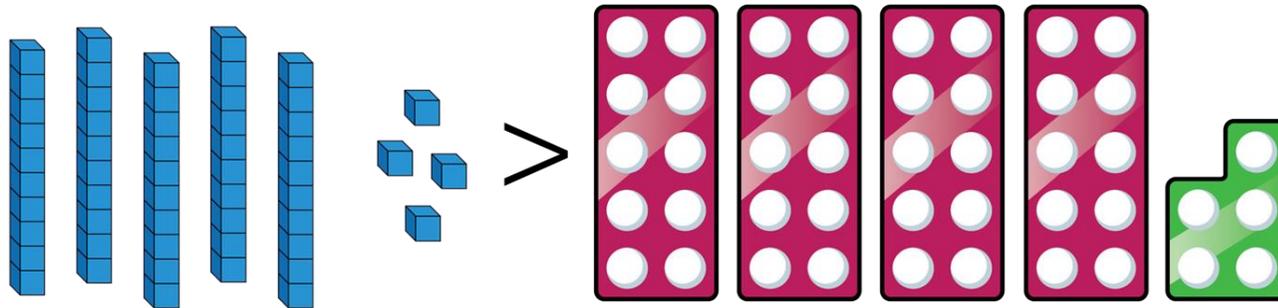
9 can be partitioned into 7 and 2
72 can be partitioned into 70 and 2
or 7 tens and 2 ones.

True or False ?

Comparing numbers (1)



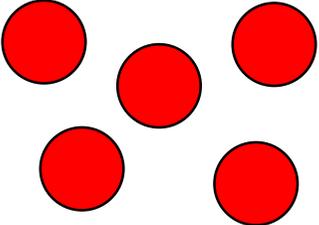
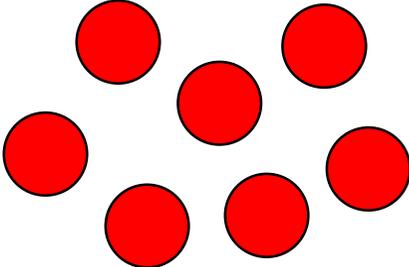
True



54 is more than 45

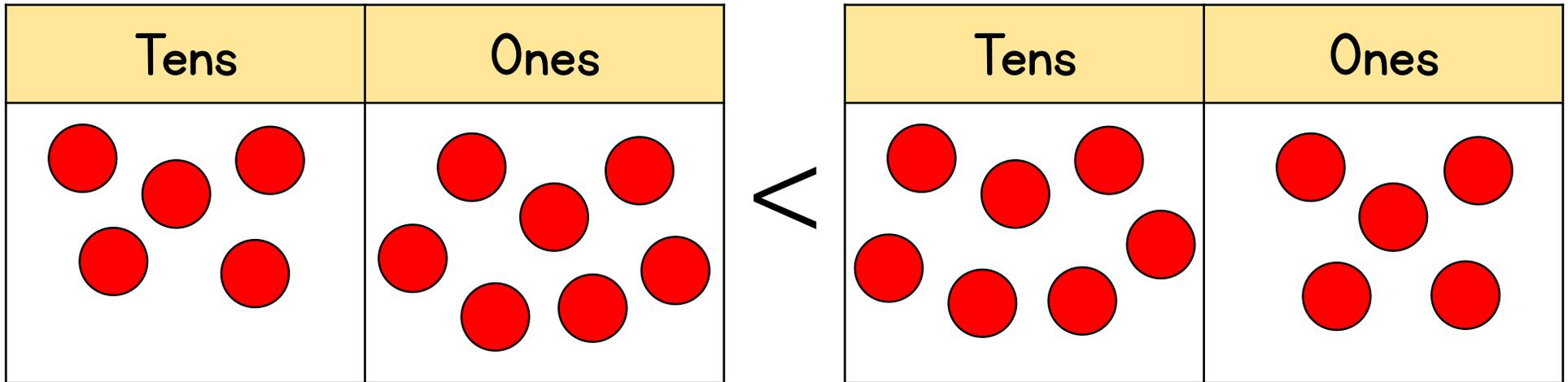
There are 5 tens in 54 but only 4 tens in 45

True or False ?

Tens	Ones
	

$$50 > 75$$

False



57 is less than 75

$$57 < 75$$

45 76 67

smallest \longrightarrow largest

The numbers have been ordered
from smallest to largest.

False

76 is more than 67

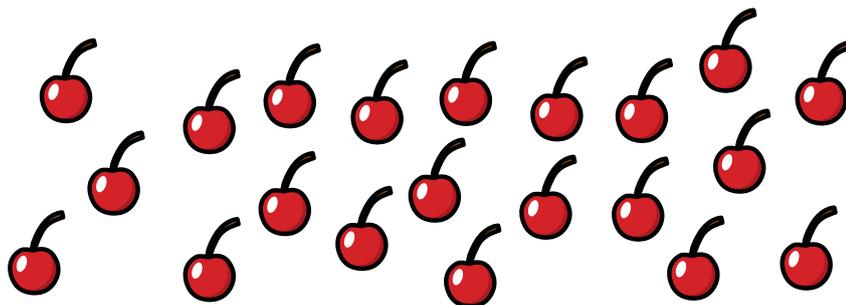
The correct order is

45 67 76

smallest \longrightarrow largest



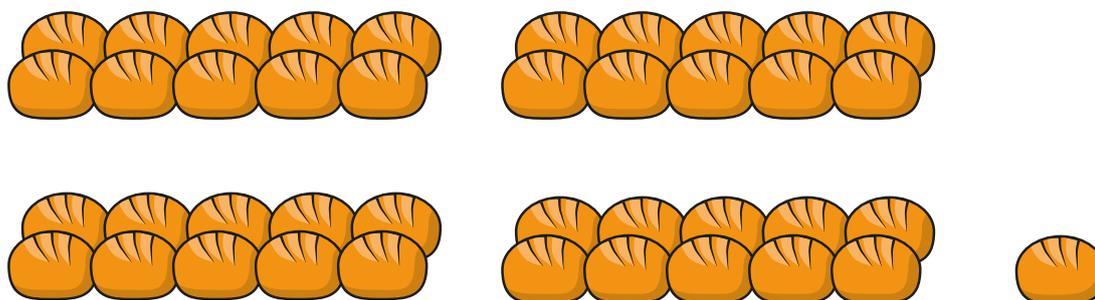
1 How many cherries are there?



There are cherries.

How did you count them?

2 How many bread rolls are there?



There are bread rolls.

How did you count them?



3 How many sweets are there?



There are sweets.

How did you count them?



4 Complete the number tracks.

a)

67	68			71			
----	----	--	--	----	--	--	--

b)

89			92				
----	--	--	----	--	--	--	--

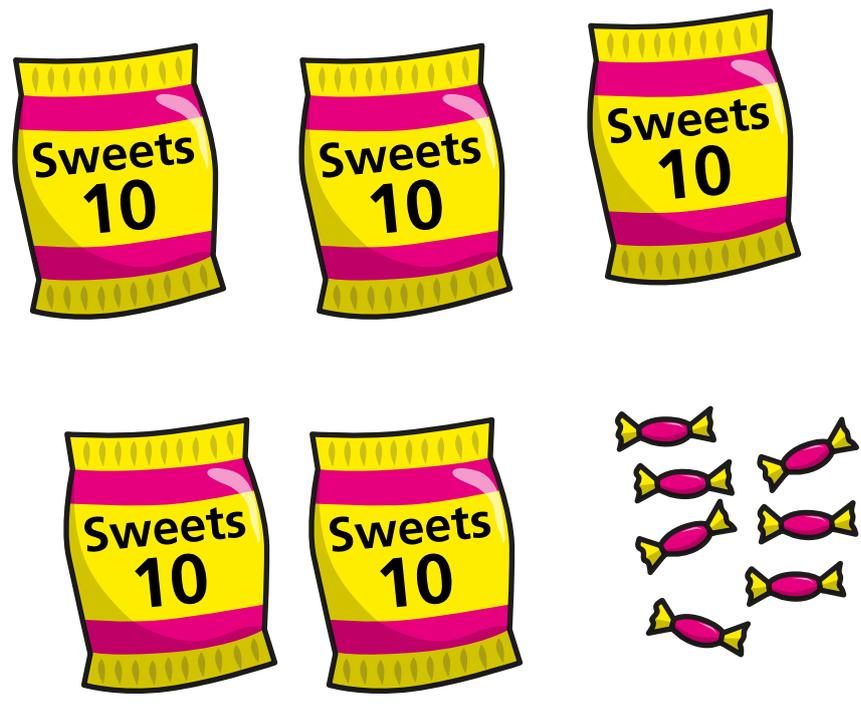
c)

			97	96		94	
--	--	--	----	----	--	----	--

Partitioning numbers



I Here are some sweets.



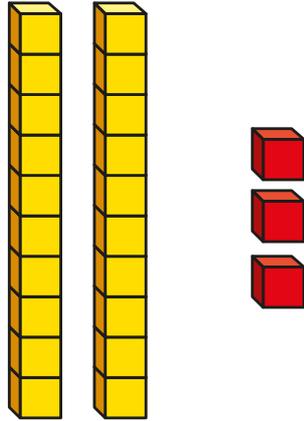
Complete the sentences.

There are bags of 10 sweets.

There are individual sweets.

There are sweets altogether.

2 The base 10 show the number 23



Complete the sentence.

23 has tens and ones.

How do you know?

3 Complete the sentences.

a) 49 has tens and ones.

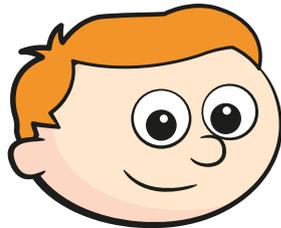
b) 92 has tens and ones.

c) 60 has tens and ones.





4 Ron is thinking of a number.



My number has 4 ones
and 7 tens.

What number is Ron thinking of?



5 Fill in the missing numbers.

a) is greater than 57

b) is less than 41

c) is greater than 28 but less than 36

d) 65 is greater than

How many tens and ones does each of your numbers have?

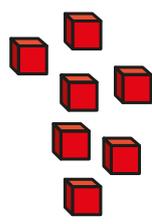
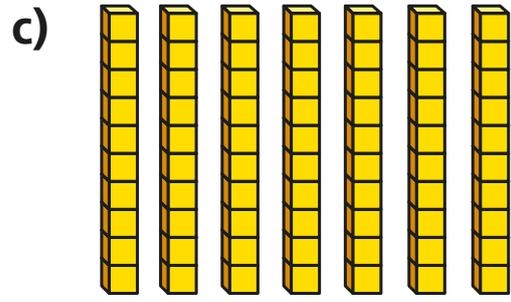
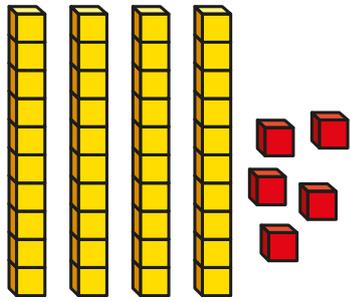
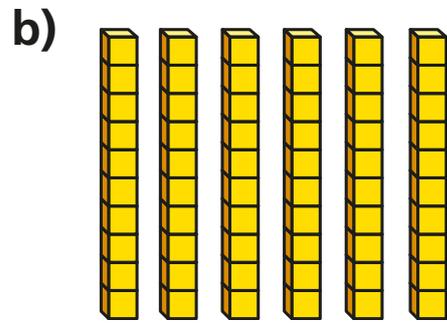
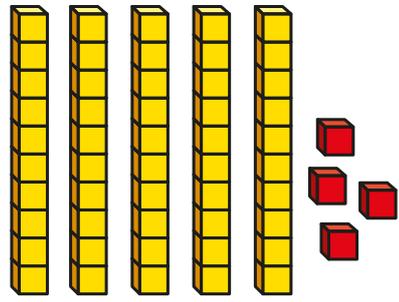
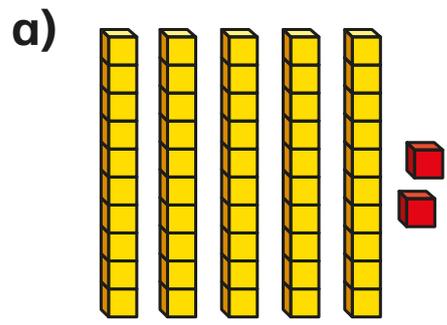


Comparing numbers (1)



I Which is the greater number in each pair?

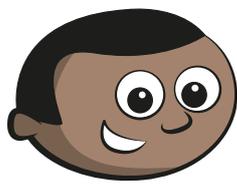
Tick your answers.



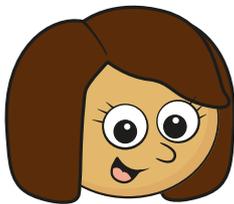
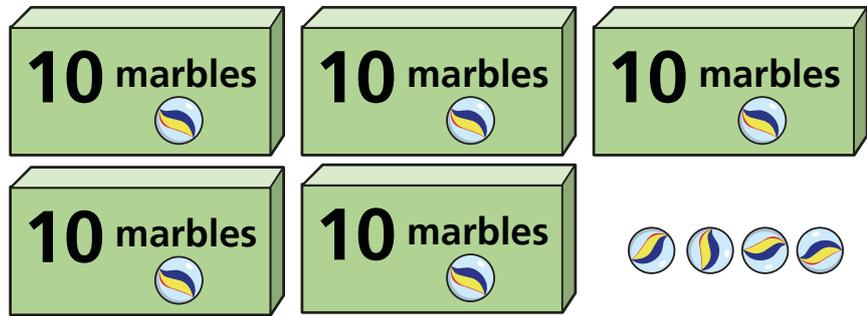
How do you know?



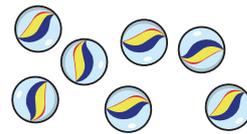
2 Mo and Kim each have some marbles.



Mo



Kim



a) How many marbles does Mo have?

b) How many marbles does Kim have?

c) Who has more marbles? _____

How do you know?





3 Use base 10

a) Make a number greater than 50

What number did you make?

b) Make a number less than 90

What number did you make?

c) Make a number greater than 80
but less than 100

What number did you make?

Talk about your answers.



4 Write **greater than** or **less than** to complete the sentences.

a) 72 is _____ 83

b) 100 is _____ 99

c) 65 is _____ 56

Comparing numbers (2)



1 Which is the smallest number in each pair?

Tick your answer.

a)

Tens	Ones
4	6

Tens	Ones
5	1

b)

Tens	Ones
7	2

Tens	Ones
7	1

How did you know which number to tick?

2 Circle the greater number in each pair.

a)

37	81
----	----

b)

90	9
----	---

c)

16	72
----	----

3 Write $<$, $>$ or $=$ to compare the numbers.

a) 19 41

b) 51 24

c) 79 80

d) 100 93

4 Use the digit cards.



Make a number greater than 25

Make a number less than 72

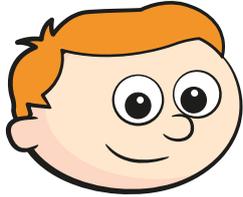
Make a number greater than 59

Talk about your answers.



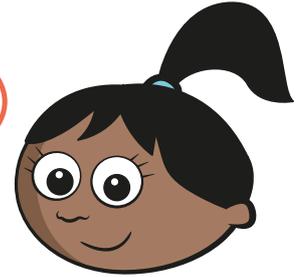


5 Ron, Sam and Kim have each made a number.



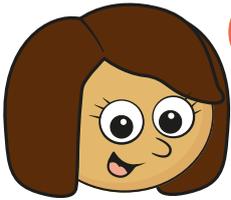
Ron

My number has 7 tens
and some ones.



Sam

My number has 8 tens
and some ones.



Kim

My number has 6 tens
and some ones.

a) Who has made the smallest number?

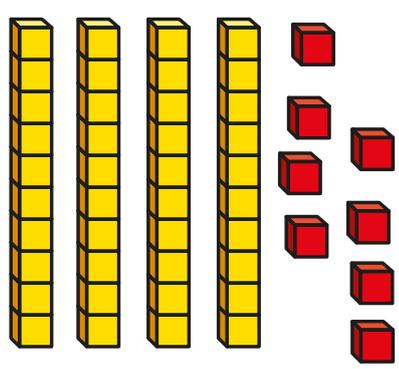
b) Who has made the greatest number?

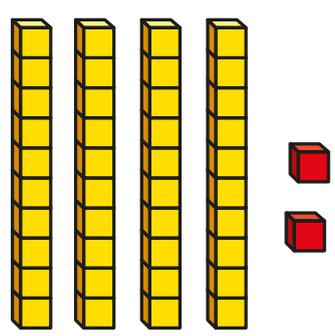
Talk about it with a partner.

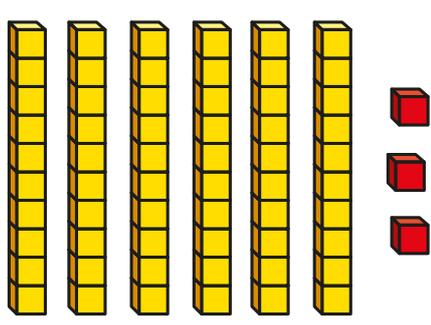


Ordering numbers

I a) What numbers are shown?





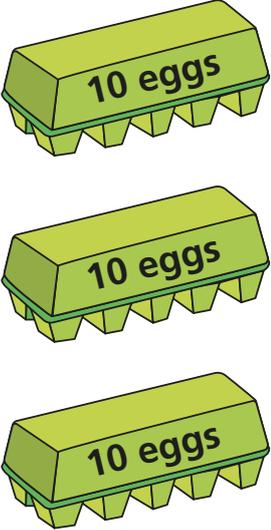
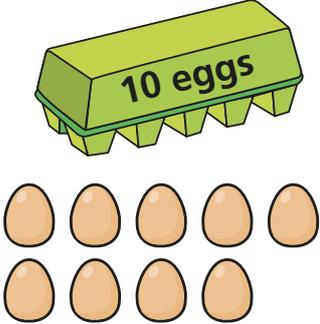
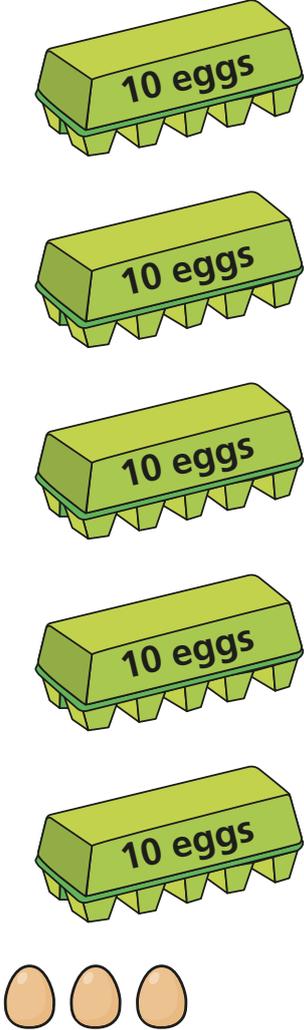


b) Write the numbers in order.
Start with the smallest.

smallest

greatest

2 Three hens lay these eggs.

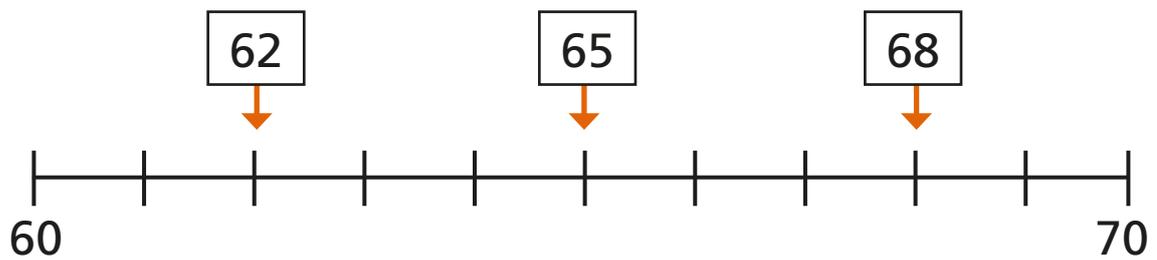
Hen 1	Hen 2	Hen 3
		

Put the number of eggs in order.
Start with the greatest number.

greatest

smallest

- 3 Three numbers are labelled on a number line.



Write the numbers in order.
Start with the smallest number.

smallest

greatest

- 4 Put the numbers in order.
Start with the smallest number.

a) 53, 58, 47

, ,

b) 19, 83, 7

, ,

- 5 Tick all the numbers between 80 and 100

72

95

11

85

9

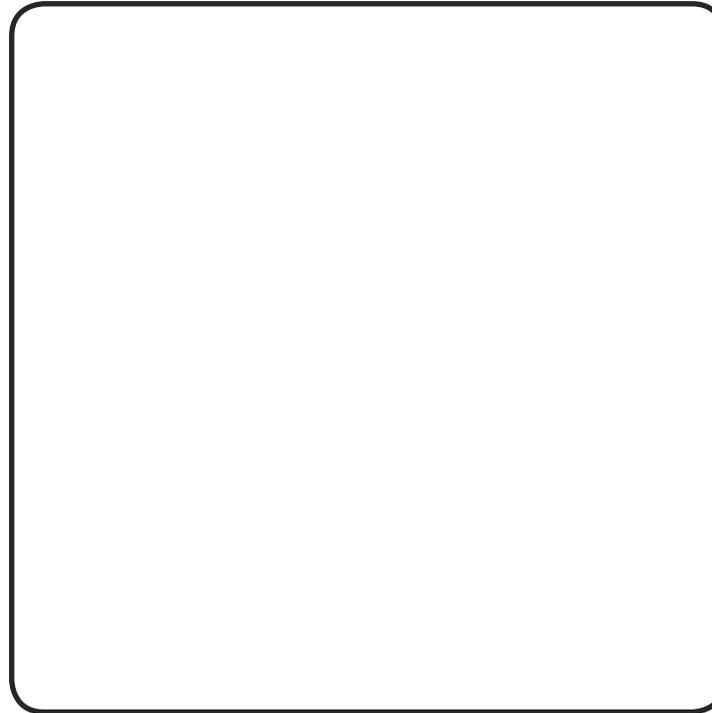


Design a Planet



You have discovered a brand new planet! Complete an astronaut report to send to Mission Control about what you have found.

Name of Planet: _____



Other information: _____

Key Facts

Colour: _____

Size: _____

Number of moons: _____

Inhabitants

(People Who Live There)

Surface

Materials: _____

Signs of life (water, oxygen):



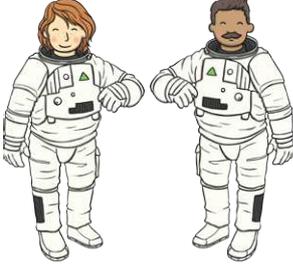
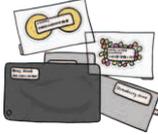
Tim Peake's Space Diary

17th December 2015

Dear Diary,

I love my new life on the International Space Station. On my first day, I checked everything was safe and got used to floating around.

Every day I...

 exercise	 do tests	 have a meeting with the crew
 fix things	 eat food	

Most days are the same but I don't like Sunday because it's cleaning day!

14th January 2016

Dear Diary,

Tomorrow I am going on my first ever spacewalk! I have been getting ready for the spacewalk for a long time.

I am very excited. I will work on the outside of the space station for six hours and thirty minutes.

My tools and suit are ready and everything is planned. It's time to go for a walk. See you on the other side!

Questions

1. Where is Tim? Tick one.

on the Moon

on the International Space Station

on Earth

2. Why doesn't Tim like Sundays? Tick one.

It's washing day.

It's cooking day.

It's cleaning day.

3. How does Tim feel about the spacewalk? Tick one.

excited

scared

upset

4. What does Tim **not** do every day? Tick one.

exercise

play

do tests

5. How long had Tim been getting ready for the spacewalk? Tick one.

one day

a week

a long time

Answers

1. Where is Tim? Tick one.

- on the Moon
- on the International Space Station**
- on Earth

2. Why doesn't Tim like Sundays? Tick one.

- It's washing day.
- It's cooking day.
- It's cleaning day.**

3. How does Tim feel about the spacewalk? Tick one.

- excited**
- scared
- upset

4. What does Tim **not** do every day? Tick one.

- exercise
- play**
- do tests

5. How long had Tim been getting ready for the spacewalk? Tick one.

- one day
- a week
- a long time**

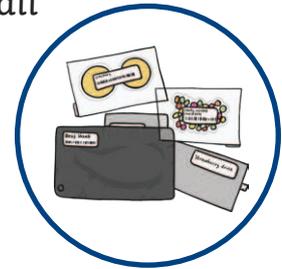
Tim Peake's Space Diary

17th December 2015

Dear Diary,

I am settling into my new life on the International Space Station. On my first day I checked everything was safe and got used to floating around.

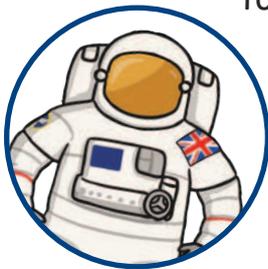
I start every day with a meeting with the crew. We all talk about what we are doing that day. We often spend the day exercising, doing tests and fixing things. At the end of the day, we all sit down together for a meal of freeze-dried food. I don't like it much but I'm sure I'll get used to it!



Most days are the same but the only day I don't like is Sunday because it's cleaning day! The crew all help to give the space station a Hoover and wipe. Dust floats around in space so it's really important to keep things clean and tidy!

14th January 2016

Dear Diary,



Tomorrow, we are going on our first ever spacewalk outside the Space Station! We have been getting ready for the spacewalk for weeks in space. Before that I did years of training – it takes a long time to prepare for a spacewalk! But I guess nothing can prepare us for the feeling of floating in space!

I am very excited but I have no time to think about how I feel. The six hours and thirty minutes we will work on the outside of the space station are planned in detail.

Our tools and suits are ready, we've done all our training and everything is planned. It's finally time to go for a walk. See you on the other side!

Questions

1. What did Tim do on his first day? Tick one.

- Check everything was floating.
- Check everything was safe.
- Check everything was broken.

2. Number the events below to show the order in which they happen on a normal day on the space station.

The crew exercise, do tests or fix things.	
The crew have a meeting.	
The crew have a meal of freeze-dried food.	

3. Draw lines to match these sentences.

Nothing can prepare
you

to prepare for a
spacewalk.

The spacewalk will
take

six hours and thirty
minutes.

It takes years

for the feeling of
floating in space.

4. Find and copy one word that shows how Tim is feeling about the spacewalk.

5. Which day does Tim not like?

Answers

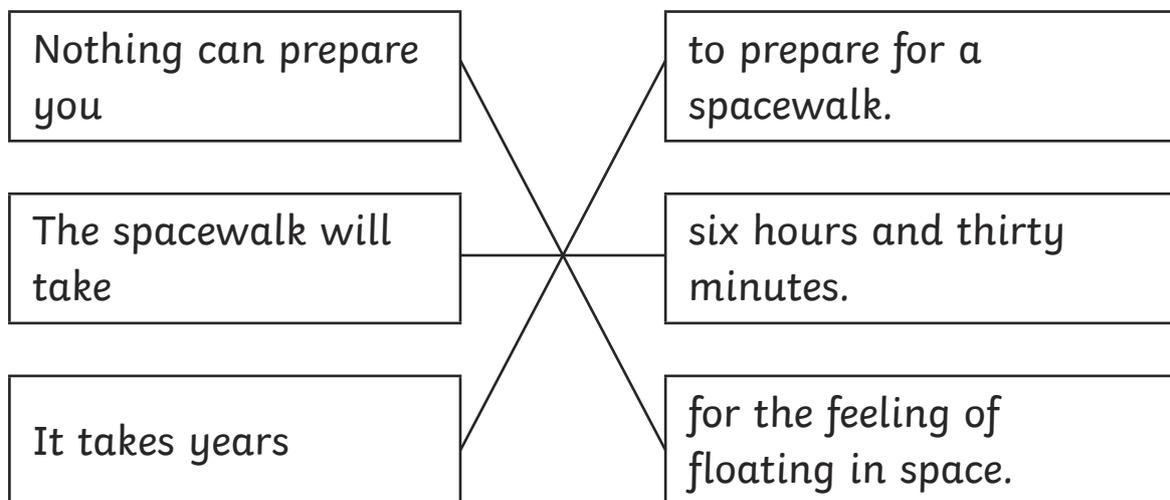
1. What did Tim do on his first day? Tick one.

- Check everything was floating.
- Check everything was safe.**
- Check everything was broken.

2. Number the events below to show the order in which they happen on a normal day on the space station.

The crew exercise, do tests or fix things.	2
The crew have a meeting.	1
The crew have a meal of freeze-dried food.	3

3. Draw lines to match these sentences.



4. Find and copy one word that shows how Tim is feeling about the spacewalk.

excited

5. Which day does Tim not like?

Tim does not like Sundays.

Tim Peake's Space Diary

17th December 2015

Dear Diary,

I am settling into my new life on the International Space Station. My first full day was spent checking everything was safe and getting used to being weightless. It is a very strange feeling and takes a while to get used to!

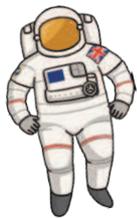
I start every day with a meeting with the other astronauts. We all talk about what we are doing that day. We often spend the day exercising, doing experiments and fixing things on the spacecraft. At the end of the day, we have another meeting and then sit down together for a meal of freeze-dried food. It tastes very different to the food back on Earth but I'll have to get used to it!



The only day I don't like is Sunday, because it's cleaning day! The whole crew help to give the spacecraft a Hoover and wipe. Dust floats around in space so it's really important to keep things clean and tidy!

14th January 2016

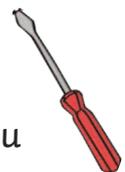
Dear Diary,



Tomorrow, I am going on my first ever spacewalk outside of the spacecraft. We have been getting ready for the spacewalk for weeks in space, and months before that on Earth. Before that, I did years of training; it takes a long time to prepare for a spacewalk! But I guess nothing can prepare us for the feeling of being outside of a spacecraft, floating in space!

I am very excited but I have no time to think about how I feel. The six hours and thirty minutes we will work on the outside of the spacecraft are planned in detail. The plans for what we will do are almost 40 pages long! You have to be good at reading to be an astronaut.

Our tools and spacesuits are ready and we've completed all our training and preparations. It's finally time to go for a walk. See you on the other side!



Questions

1. Fill in the missing word.

On his first full day Tim checked everything was _____.

2. On his first day Tim also said he got used to being weightless. What do you think this word might mean?

- being heavy
- being small
- having no weight or gravity

3. Number the events below to show the order in which they happen on a normal day on the space station.

Astronauts exercise, do experiments and fix things.	
Astronauts have a meeting.	
Astronauts have a meal of freeze-dried food.	
Astronauts have another meeting.	

4. Find and copy one word that shows how Tim is feeling about the spacewalk.

5. Fill in the missing word.

Tim says you must be good at _____ to be an astronaut.

6. How do you think Tim feels about freeze-dried food? Give two reasons for why you think this.

Answers

1. Fill in the missing word.

On his first full day Tim checked everything was **safe**.

2. On his first day Tim also said he got used to being weightless. What do you think this word might mean?

- being heavy
- being small
- having no weight or gravity**

3. Number the events below to show the order in which they happen on a normal day on the space station.

Astronauts exercise, do experiments and fix things.	2
Astronauts have a meeting.	1
Astronauts have a meal of freeze-dried food.	3
Astronauts have another meeting.	4

4. Find and copy one word that shows how Tim is feeling about the spacewalk.

excited

5. Fill in the missing word.

Tim says you must be good at **reading** to be an astronaut.

6. How do you think Tim feels about freeze-dried food? Give two reasons for why you think this.

Children's own responses, such as: Tim does not like the freeze-dried food because he says it tastes very different to the food back on Earth and he'll have to get used to it. This sounds like he doesn't like it much.

Aa Bb Cc Dd

Ee Ff Gg Hh Ii

Jj Kk Ll Mm

Nn Oo Pp Qq

Rr Ss Tt Uu Vv

Ww Xx Yy Zz

The Great Egg Mystery!

I have enjoyed...

I have learnt...

I wish we had...

