MISSION 37
Level 3 · Living World

The Snake's Old Coat

Explorer: _____



At the park we found an empty, see-through snake skin! Did the snake take off its coat?

1 Point and guess! Why does a snake shed its skin?



A it is too hot

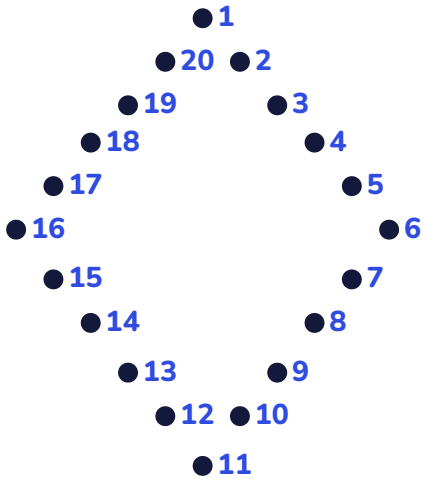


B it wants a new colour



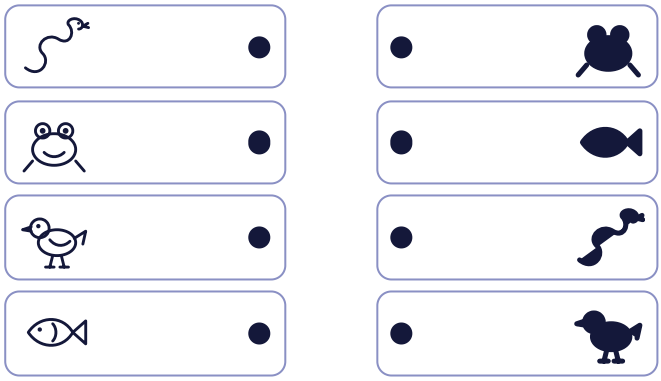
C it grows and the skin gets tight

2 Join the dots from 1 to 20



What did you make? Colour it in!

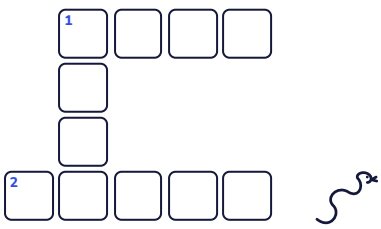
3 Draw a line from each picture to its shadow



Use your hands! Wiggle a scarf along the floor like a snake. Then slide it off your arm like an old skin.

Real-life mission: Find a T-shirt that is too small for you now. Why does it not fit? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Across Take off old skin (4 letters)

1 Down It covers your body (4 letters)

2 Across It slithers (5 letters)

Mission done!

Quiz: C, it grows and the skin gets tight. A snake keeps growing, but its skin does not stretch. So it wriggles out of the old skin, with a new one underneath. The dots make a kite. Crossword: 1 Across shed, 1 Down skin, 2 Across snake.

MISSION 38
Level 3 · Living World

The Spider's Thread

Explorer: _____

There is a beautiful web in the corner of our window. Where does a spider get its thread?

1 Point and guess! Where does a spider's silk come from?



A from inside its own body



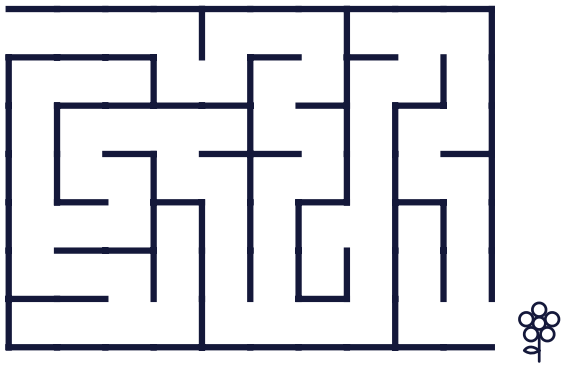
B from flowers



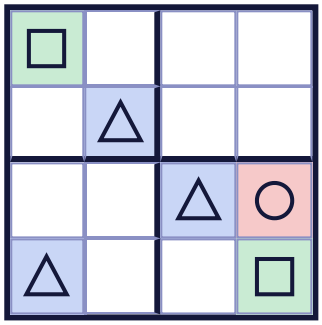
C from clouds

2 Help the bee get to the flower

Start



3 Colour sudoku! Each row, column and small square needs all 4 colours.

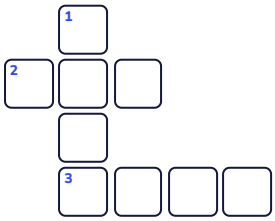


○ red
△ blue
☆ yellow
□ green

Use your hands! Wind wool around the legs of a chair to spin a spider web. Can a toy get through?

Real-life mission: Find a spider web with a grown-up. Look closely, but do not touch. Is it round or messy? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down A spider has eight (4 letters)



2 Across A spider builds this (3 letters)

3 Across Spider thread (4 letters)

Mission done!

Quiz: A, from inside its own body. Spiders make silk inside their bodies and spin it into webs to catch insects. Sudoku rows: green, yellow, red, blue / red, blue, green, yellow / yellow, green, blue, red / blue, red, yellow, green. Crossword: 1 Down legs, 2 Across web, 3 Across silk.

MISSION 39
Level 3 · Living World

The Tallest Neck

Explorer: _____



At the zoo, a giraffe ate leaves from the very top of a tree! Why do giraffes have such long necks?

1 Point and guess! How does a long neck help a giraffe?



A it can catch fish

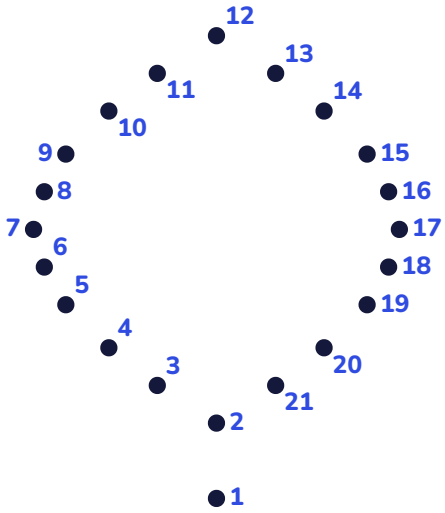


B it reaches leaves high up



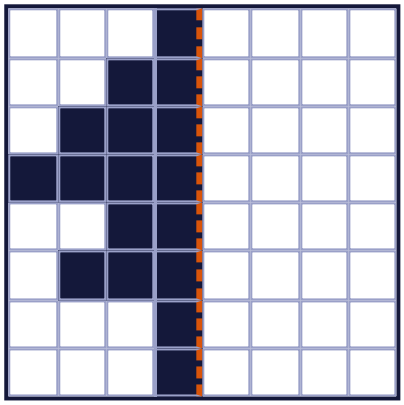
C it can play football

2 Join the dots from 1 to 21



What did you make? Colour it in!

3 Mirror magic! Colour the right side to match the left



Use your hands! Stack cups or blocks as high as you can. Measure your tower in hand spans.

Real-life mission: Stand next to a door and ask a grown-up to mark how tall you are. Now reach up as high as you can. How much higher? Tell Pip!

4 Word match! Draw a line from each word to its picture.

fish

leaf

ball







Mission done!

Quiz: B, it reaches leaves high up. A long neck lets a giraffe reach leaves high in the trees that other animals cannot reach. The dots make a leaf.
Lines: fish to its picture, leaf to its picture, ball to its picture.

MISSION 40
Level 3 · Earth & Weather

Cold Mountain Tops

Explorer: _____

Mountain tops are closer to the sun, but they have snow on them! Why is it so cold up there?

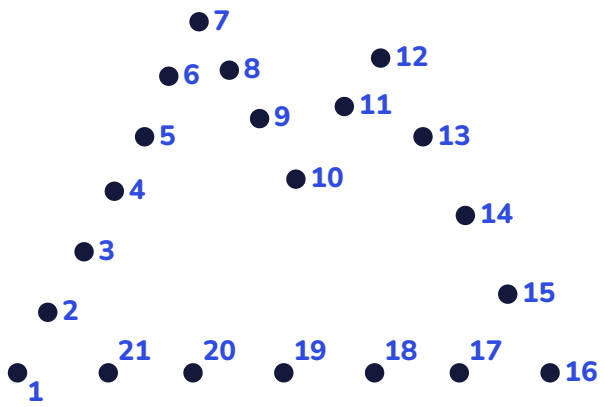
1 Point and guess! Where is it colder?

A in a house in the town

B high up on a mountain

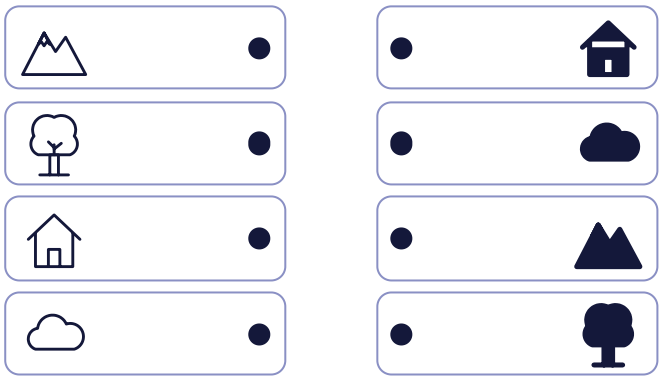
C on a sunny beach

2 Join the dots from 1 to 21



What did you make? Colour it in!

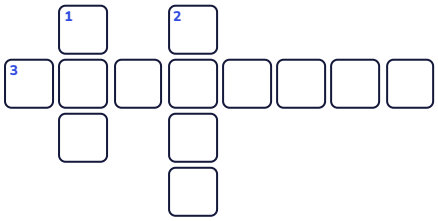
3 Draw a line from each picture to its shadow



Use your hands! Pass an ice cube from hand to hand until it melts. How long does it take?

Real-life mission: With a grown-up, next time you go up a hill or a tall building, notice: does the wind feel cooler at the top? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Down The highest part (3 letters)

2 Down Cold white flakes (4 letters)

3 Across A very high hill (8 letters)

Mission done!

Quiz: B, high up on a mountain. The higher you go, the thinner the air is, and thin air cannot hold much warmth. So mountain tops are cold. The dots make a mountain. Crossword: 1 Down top, 2 Down snow, 3 Across mountain.

MISSION 41
Level 3 · Living World

Night Hunter

Explorer: _____



Hoo hoo! I am an owl. I wake when you sleep. How do I find food in the dark?

1 Point and guess! What helps an owl hunt at night?



A it carries a torch



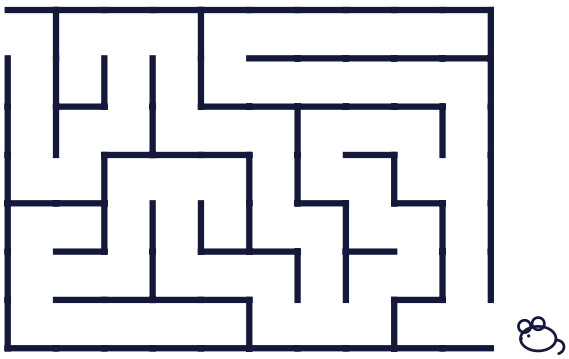
B it drives slowly



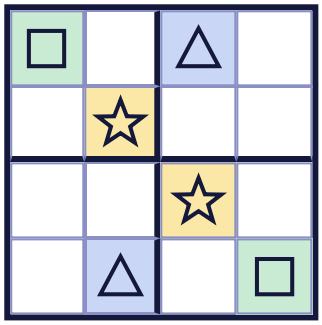
C big eyes and sharp ears

2 Help the owl find its supper

Start



3 Colour sudoku! Each row, column and small square needs all 4 colours.

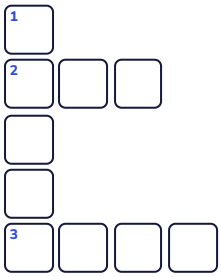


○ red
△ blue
☆ yellow
□ green

Use your hands! Cup both hands behind your ears like an owl. Does the room sound louder?

Real-life mission: Sit in a dark room for one minute with a grown-up. Can your eyes start to see more? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down An owl's supper (5 letters)



2 Across Pip is one! (3 letters)

3 Across Owls have very big ones (4 letters)

Mission done!

Quiz: C, big eyes and sharp ears. Owls have huge eyes that see in dim light and ears so sharp they can hear a mouse moving in the grass. Sudoku rows: green, red, blue, yellow / blue, yellow, green, red / red, green, yellow, blue / yellow, blue, red, green. Crossword: 1 Down mouse, 2 Across owl, 3 Across eyes.

MISSION 42
Level 3 · Living World

Fantastic Feathers

Explorer: _____



Birds have feathers but cats have fur and fish have scales. What are feathers for?

1 Point and guess! What do feathers help a bird do?



A fly and keep warm

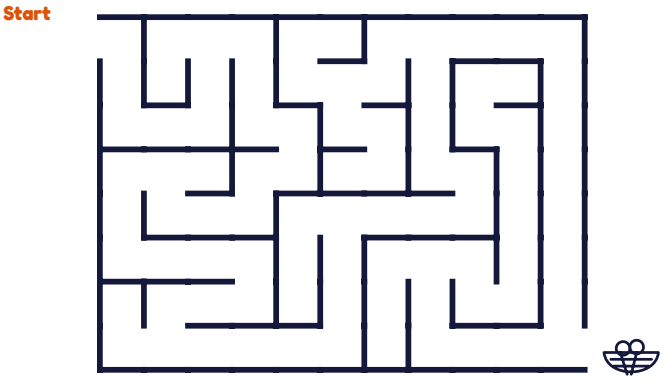


B sing louder

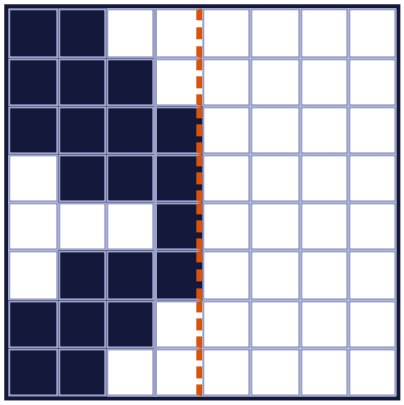


C drink water

2 Help the bird get back to its nest



3 Mirror magic! Colour the right side to match the left



Use your hands! Stroke a feather across your palm and then your cheek. Is it soft or tickly?

Real-life mission: Hold a feather and gently blow on it. Then drop it. How does it fall? Tell Pip!

4 Word match! Draw a line from each word to its picture.

bird ●

drum ●

water ●

● 

● 

● 

Mission done!

Quiz: A, fly and keep warm. Feathers are light and strong for flying, and soft feathers trap warm air close to the bird's body. Lines: bird to its picture, drum to its picture, water to its picture.

MISSION 43
Level 3 · Sky & Space

The Blazing Sun

Explorer: _____



The sun is so far away, but its light still makes my skin warm. Why is the sun so hot?

1 Point and guess! What is the sun?



A a giant campfire



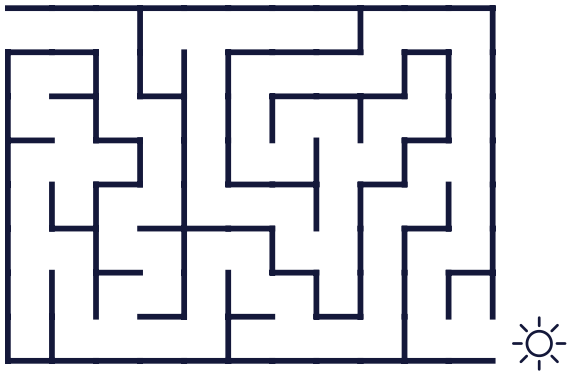
B a huge ball of very hot gas



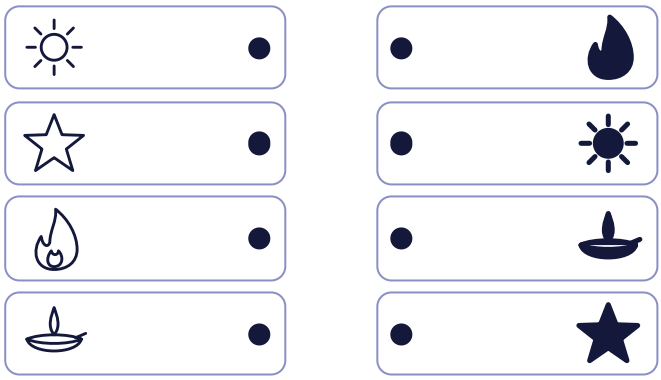
C a big lamp post

2 Help Pip get to the sunny spot

Start



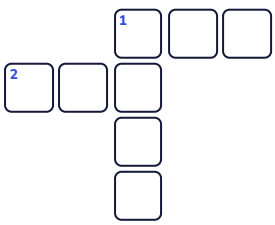
3 Draw a line from each picture to its shadow



Use your hands! Hold one palm in sunlight and one in shade. Which hand feels warmer?

Real-life mission: Never look straight at the sun. Touch a wall in the sun and a wall in the shade. Which is warmer? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Across It shines bright in the day (3 letters)



1 Down It twinkles at night (4 letters)



2 Across Not cold (3 letters)

Mission done!

Quiz: B, a huge ball of very hot gas. The sun is a star: a huge ball of very hot gas. It is so big that about a million Earths could fit inside it.
Crossword: 1 Across sun, 1 Down star, 2 Across hot.

MISSION 44
Level 3 · My Body

Bones Inside

Explorer: _____



When I press my arm, I can feel something hard inside. What are these hard bits?

1 Point and guess! What do your bones do?



A they make music

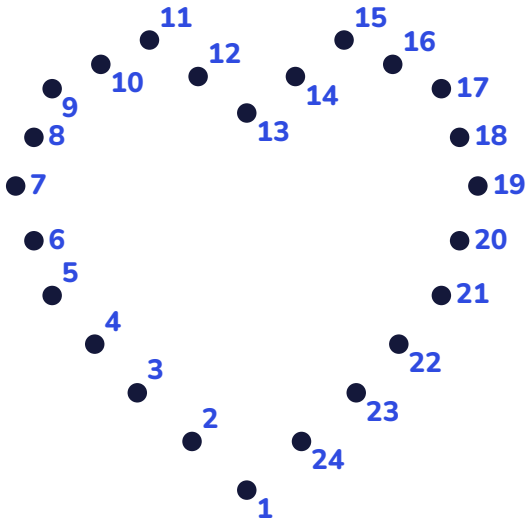


B they hold your body up



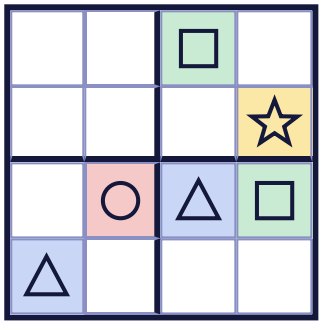
C they help you float

2 Join the dots from 1 to 24



What did you make? Colour it in!

3 Colour sudoku! Each row, column and small square needs all 4 colours.



○ red
△ blue
☆ yellow
□ green

Use your hands! Find your knuckles, elbow and ribs with your fingers. How many bones can you feel?

Real-life mission: Gently feel your elbow, your knee and the top of your head. Can you feel the hard bones? Tell Pip!

4 Word match! Draw a line from each word to its picture.

bell ●

cloud ●

elephant ●

● 

● 

● 

Mission done!

Quiz: B, they hold your body up. Bones hold your body up and protect soft parts like your brain and heart. You have more than 200 of them! The dots make a heart. Sudoku rows: red, yellow, green, blue / green, blue, red, yellow / yellow, red, blue, green / blue, green, yellow, red. Lines: bell to its picture, cloud to its picture, elephant to its picture.

MISSION 45
Level 3 · Earth & Weather

The Vanishing Puddle

Explorer: _____

After the rain there was a big puddle. By evening it was gone! Where did the water go?

1 Point and guess! Where does puddle water go on a sunny day?



A ants drink it all



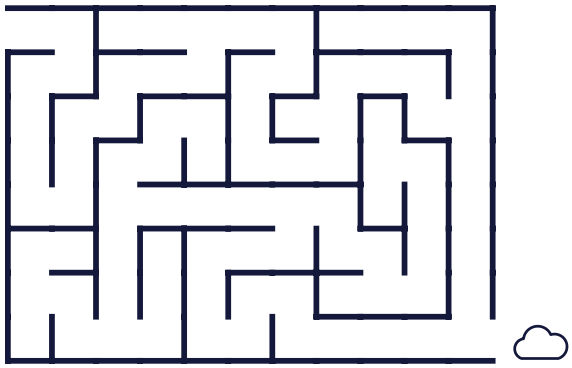
B into the rocks



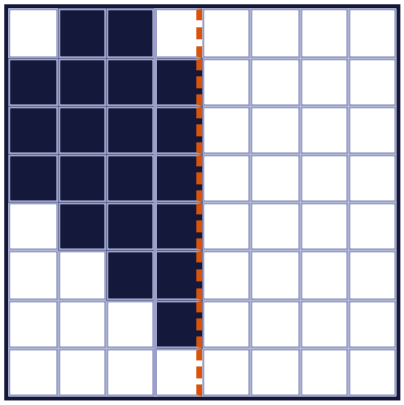
C up into the air

2 Help the raindrop get back to the cloud

Start



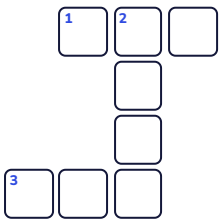
3 Mirror magic! Colour the right side to match the left



Use your hands! Paint a patch of water on dry paper or a board with a brush. Watch it vanish.

Real-life mission: With chalk, draw around a puddle. Check again after an hour. Is it smaller? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Across Not wet (3 letters)



2 Down Water from clouds (4 letters)



3 Across It dries puddles (3 letters)

Mission done!

Quiz: C, up into the air. The sun warms the water into tiny bits too small to see, and they float up into the air. This is called evaporation.
Crossword: 1 Across dry, 2 Down rain, 3 Across sun.

MISSION 46
Level 3 · Everyday Science

The Seesaw Puzzle

Explorer: _____



Appa sat on one end of the seesaw and I went flying up! How can I make it balance?

1 Point and guess! Which side of a seesaw goes down?



A the lighter side

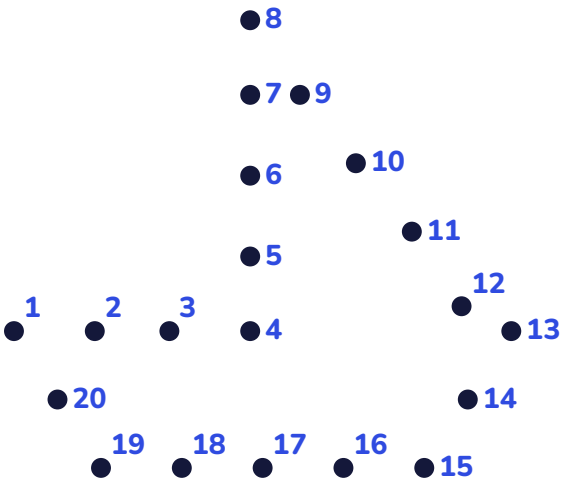


B the heavier side



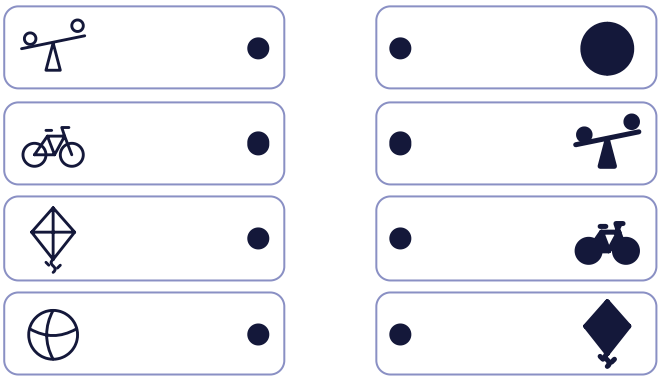
C the sunny side

2 Join the dots from 1 to 20



What did you make? Colour it in!

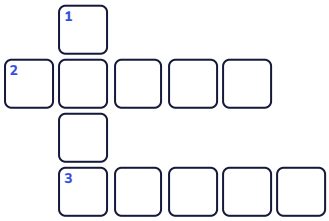
3 Draw a line from each picture to its shadow



Use your hands! Lay a ruler flat across one finger. Slide your finger until the ruler balances.

Real-life mission: Balance a ruler on a pencil. Put two coins on one end and one coin on the other. How can you make it balance? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Down Far up (4 letters)



2 Across Easy to lift (5 letters)



3 Across Hard to lift (5 letters)

Mission done!

Quiz: B, the heavier side. The heavier side goes down. To balance, the heavier person can sit closer to the middle. The dots make a boat.
Crossword: 1 Down high, 2 Across light, 3 Across heavy.

MISSION 47
Level 3 · Everyday Science

Bouncy Ball

Explorer: _____



I dropped my ball and it jumped right back up to my hand! How does a ball bounce?

1 Point and guess! Which one bounces best?



A a rubber ball

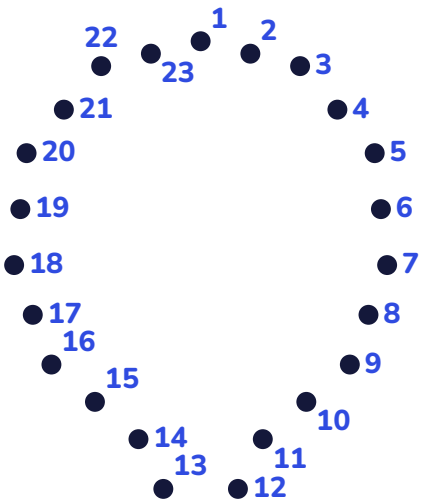


B an egg



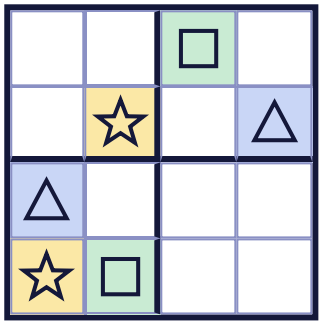
C a slice of bread

2 Join the dots from 1 to 23



What did you make? Colour it in!

3 Colour sudoku! Each row, column and small square needs all 4 colours.



○ red
△ blue
☆ yellow
□ green

Use your hands! Press a ball, a sponge and a stone with your thumb. Which one squishes? Which springs back?

Real-life mission: Drop a ball from your knee, then from your head. Which time does it bounce higher? Tell Pip!

4 Word match! Draw a line from each word to its picture.

ball ●

egg ●

bread ●

● 

● 

● 

Mission done!

Quiz: A, a rubber ball. When a rubber ball hits the ground it squashes a little, then springs back into shape and pushes itself up. The dots make a balloon. Sudoku rows: red, blue, green, yellow / green, yellow, red, blue / blue, red, yellow, green / yellow, green, blue, red. Lines: ball to its picture, egg to its picture, bread to its picture.

MISSION 48
Level 3 · Sky & Space

Rocket Launch

Explorer: _____



5, 4, 3, 2, 1... WHOOSH! The rocket shot up into the sky. What makes a rocket go up?

1 Point and guess! How does a rocket go up?



A it pushes hot gas down hard

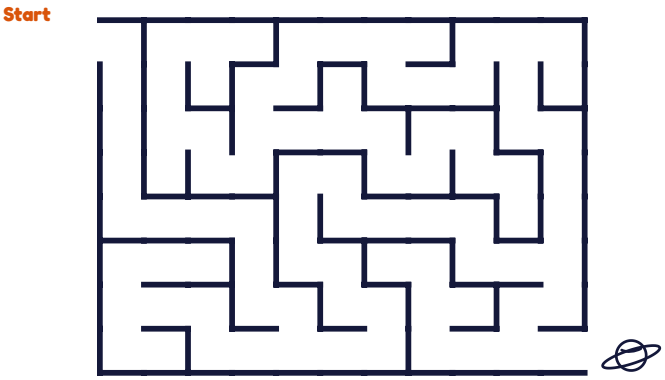


B it flaps its wings

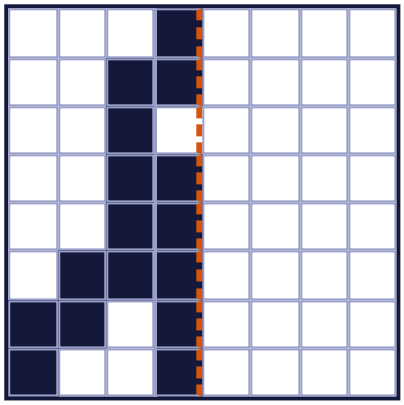


C the wind blows it

2 Help the rocket reach the planet



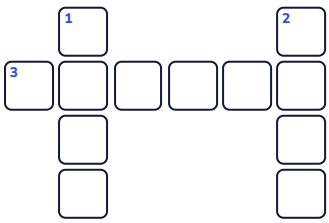
3 Mirror magic! Colour the right side to match the left



Use your hands! Roll a paper tube. Fold the top shut. Blow it off a straw like a rocket!

Real-life mission: With a grown-up, blow up a balloon and let it go without tying it. Which way does it zoom? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down Astronauts have walked on it (4 letters)



2 Down It twinkles at night (4 letters)



3 Across It blasts into space (6 letters)

Mission done!

Quiz: A, it pushes hot gas down hard. A rocket pushes hot gas down very hard, and that pushes the rocket up. It is like a balloon zooming when you let it go. Crossword: 1 Down moon, 2 Down star, 3 Across rocket.

MISSION 49
Level 3 · Everyday Science

POP Goes the Balloon

Explorer: _____



My balloon touched a thorn and went POP! Why did it burst?

1 Point and guess! Why does a balloon pop on a thorn?



A it catches fire



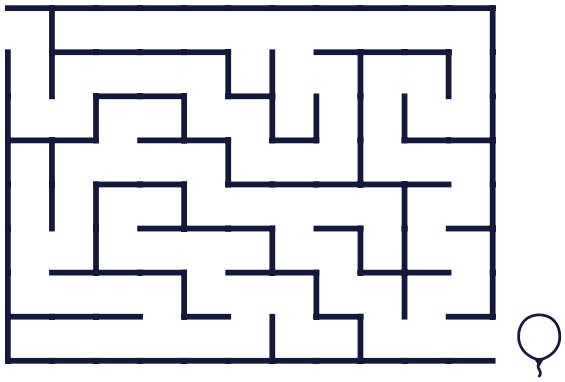
B it gets wet



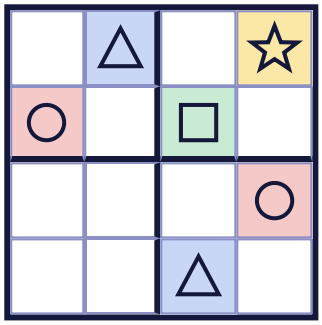
C the stretched rubber tears

2 Help Pip get to the balloon

Start



3 Colour sudoku! Each row, column and small square needs all 4 colours.

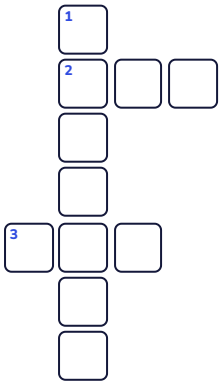


○ red
△ blue
☆ yellow
□ green

Use your hands! Rub a balloon on your hair and stick it to the wall. How long does it stay?

Real-life mission: Blow a balloon up a little, then a lot. Squeeze it gently each time. Which feels tighter? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down You blow it up (7 letters)



2 Across You breathe it in (3 letters)

3 Across A tiny bang (3 letters)

Mission done!

Quiz: C, the stretched rubber tears. A blown-up balloon's rubber is stretched tight. A sharp point makes a tiny tear, and the air rushes out all at once. POP! Sudoku rows: green, blue, red, yellow / red, yellow, green, blue / blue, green, yellow, red / yellow, red, blue, green. Crossword: 1 Down balloon, 2 Across air, 3 Across pop.

MISSION 50
Level 3 · Everyday Science

The Magic Straw

Explorer: _____

I sipped my straw and the juice climbed up! How did it climb?

1 Point and guess! What pushes your drink up a straw?

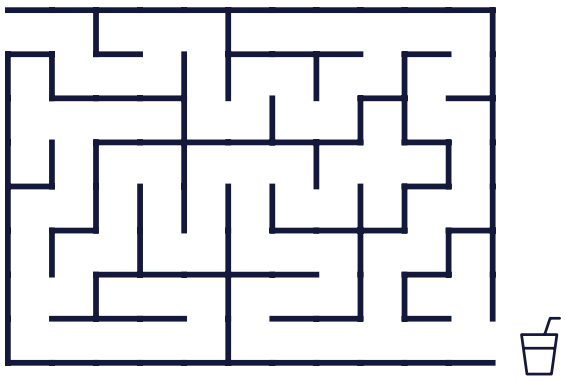
A a magnet

B a tiny fish

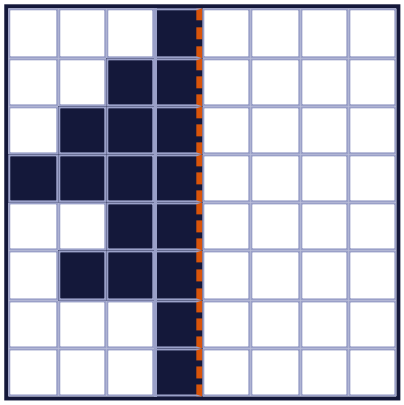
C the air all around us

2 Help the juice get up the straw

Start



3 Mirror magic! Colour the right side to match the left



Use your hands! Blow bubbles in a cup of water through a straw. Make them big, then small.

Real-life mission: Put a straw in water and press your finger over the top. Lift it out. Does the water stay in? Tell Pip!

4 Word match! Draw a line from each word to its picture.

fish ●

wind ●

water ●

● 

● 

● 

Mission done!

Quiz: C, the air all around us. When you suck, you take air out of the straw. The air outside presses down on the drink and pushes it up the straw.

Lines: fish to its picture, wind to its picture, water to its picture.

MISSION 51
Level 3 · Diwali

The Flame Puzzle

Explorer: _____



I looked at every diya on our street. All the flames point straight up! Why never down?

1 Point and guess! Which way does a flame always point?



A up



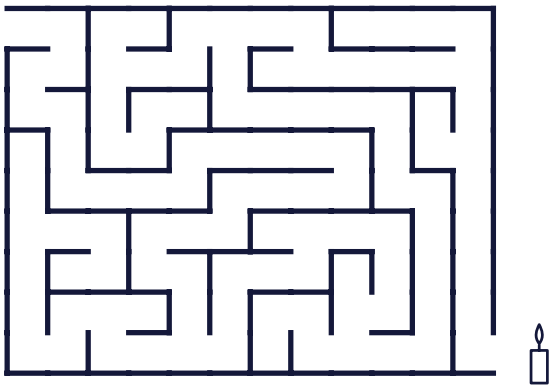
B down



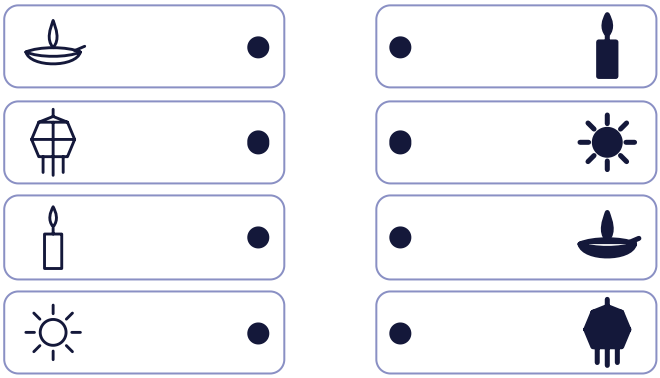
C sideways

2 Help Pip get to the candle

Start



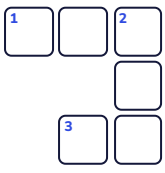
3 Draw a line from each picture to its shadow



Use your hands! Cut a flame from paper with safe scissors. Glue it on a paper diya.

Real-life mission: With a grown-up, look at a diya flame and a candle flame. Which way do both point? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Across The opposite of cold (3 letters)

2 Down The highest part (3 letters)



3 Across A flame always points this way (2 letters)

Mission done!

Quiz: A, up. Hot air is lighter than cool air, so it rises. The rising hot air lifts the flame upward. Crossword: 1 Across hot, 2 Down top, 3 Across up.

MISSION 52
Level 3 · Diwali

Sweet Sharing

Explorer: _____



We made ladoos and took a box to our neighbours! Why do we share sweets at Diwali?

1 Point and guess! Which Diwali sweet is round like a ball?



A ladoo

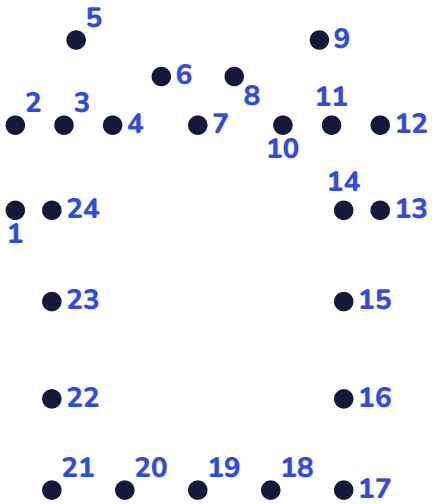


B jalebi



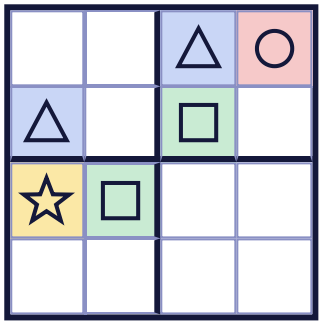
C barfi

2 Join the dots from 1 to 24



What did you make? Colour it in!

3 Colour sudoku! Each row, column and small square needs all 4 colours.

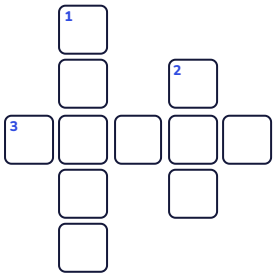


○ red
△ blue
☆ yellow
□ green

Use your hands! Roll 6 balls of play dough. Share them fairly onto 2 plates.

Real-life mission: Help pack a small box of sweets for a neighbour. Who did you share with? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Down Give some to a friend (5 letters)



2 Down You pack sweets in it (3 letters)



3 Across A round Diwali sweet (5 letters)

Mission done!

Quiz: A, ladoo. A ladoo is rolled into a ball. Sharing sweets with neighbours and friends is a Diwali tradition. The dots make a gift box. Sudoku rows: green, yellow, blue, red / blue, red, green, yellow / yellow, green, red, blue / red, blue, yellow, green. Crossword: 1 Down share, 2 Down box, 3 Across ladoo.

MISSION 53
Level 3 · Everyday Science

The Cool Fan

Explorer: _____



On a hot day, sitting under the fan feels so nice and cool. Does the fan make cold air?

1 Point and guess! How does a fan make you feel cooler?



A it blows ice



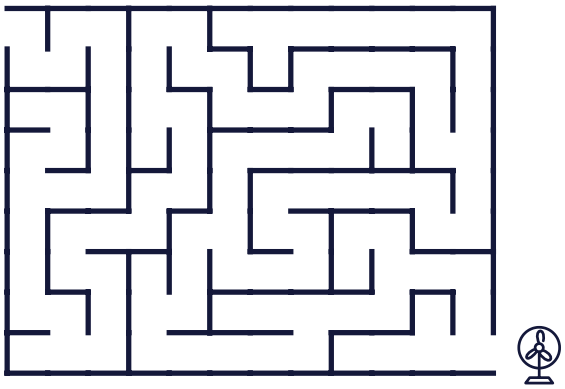
B it moves air over your skin



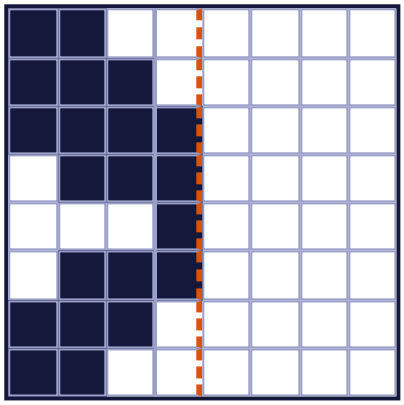
C it makes snow

2 Help Pip get to the cool fan

Start



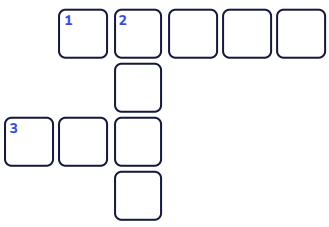
3 Mirror magic! Colour the right side to match the left



Use your hands! Wave your paper fan close to your cheek, then far away. Where do you feel the breeze most?

Real-life mission: Wet the back of one hand. Wave both hands in the air. Which hand feels cooler? Keep fingers away from a real fan. Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Across Water on your skin when you are hot (5 letters)



2 Down Moving air (4 letters)



3 Across It spins and blows air (3 letters)

Mission done!

Quiz: B, it moves air over your skin. A fan does not make cold air. Moving air carries warmth away from your skin and dries your sweat, so you feel cooler. Crossword: 1 Across sweat, 2 Down wind, 3 Across fan.

MISSION 54
Level 3 · Everyday Science

The Puffy Bread

Explorer: _____



The bread dough was small in the morning. After a few hours it puffed up big! Who blew it up?

1 Point and guess! What makes bread dough puff up?



A ice

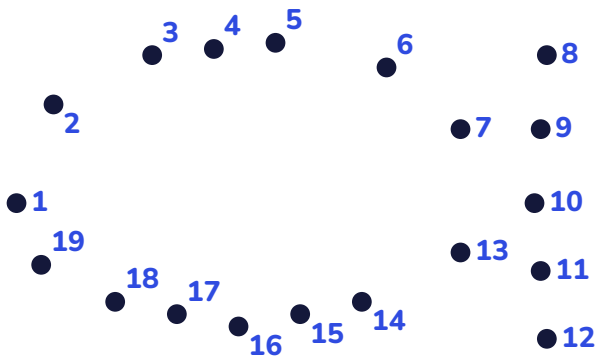


B salt



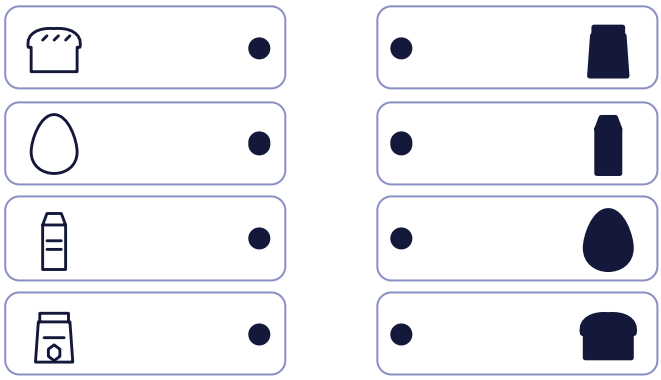
C tiny gas bubbles from yeast

2 Join the dots from 1 to 19



What did you make? Colour it in!

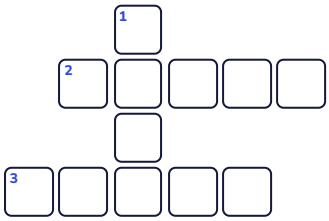
3 Draw a line from each picture to its shadow



Use your hands! Squeeze and stretch a ball of dough. Watch it spring back like puffy bread.

Real-life mission: With a grown-up, look closely at a slice of bread. Can you see tiny holes left by the bubbles? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down A tiny gap (4 letters)

2 Across The soft mix before baking (5 letters)



3 Across A soft loaf (5 letters)

Mission done!

Quiz: C, tiny gas bubbles from yeast. Bread dough has yeast, a tiny living thing. It makes gas bubbles that puff the dough up. The dots make a whale. Crossword: 1 Down hole, 2 Across dough, 3 Across bread.