

Dreaming - Answers

Dreams are *stories* and pictures our *brains* create when we are asleep. Most dreams happen when we *are* deeply asleep and our eyes begin to *move* around quickly under our eyelids. This is called *Rapid Eye Movement*.

Some dreams are just *your* mind playing with *thoughts* and images from life. *Other* dreams are an *opportunity* for you to make sense of your life. *Dream* experts also agree that recurring dreams (dreams that you keep having over and over) *probably* have some sort of special meaning.

Although *everybody* dreams (including *a*nimals), we will forget 90% *of* them.

Why Our Bodies Need Water - Answers

H₂O, commonly known as water, is *essential* for the human body *to* function and vital to *our* survival. Although we can last *weeks* without food, we can only survive a matter *of* days without water. *It* is important for us to *replenish* our supply of *fresh* *w*ater every day, as we regularly *lose* liquid from our lungs, skin, urine and faeces.

Although our bodies are made up of 50 to 75 per cent water, *o*ne of our most important organs, our *b*rain, is made up of 73% water. We need to stay *hydrated* to make sure our *brain cells* can function at the optimal level.

The Thirsty Monkey

1. The moral of the story is never give up. You should continue to work hard until you get good results.
2. The author uses the words *thirsty*, *disappointed*, *sad* and *happy* in the passage to inform the audience about how the monkey is feeling. This helps create a mental image of the monkey.
3. The author needs to inform the reader that the monkey was feeling very weak, so that they understand how hard it must have been for him to keep trying to solve his problem.
4. The author could have recently had an experience which involved a large problem to solve. Perhaps he/she had to keep trying until they could figure it out.

Let's Go for a Swim!

1. Dad and Mitch like the beach more because you can lie on the sand, build sandcastles, body surf in the waves and eat fish and chips.
2. Gran and Sarah like the pool more because you don't get sand in your swimsuit, you don't get knocked over by waves and jellyfish can't sting you.
3. At both the beach and the pool, you can go for a swim and cool down from the heat.

One Summer's Day

1. Ella: Wow, it's hot today isn't it?

Kristen: Sure is. I'm going to go for a swim later.

Ella: That sounds like a nice way to cool off. Where are you going to go?

Kristen: We have a pool at my place. Would you like to come for a swim?

Ella: I'd love to, but I didn't bring my swimmers. Thank you though. You're so lucky to have a pool. Do you use it often?

Kristen: Yeah, all the time!

Ella: I would use it all the time too if I had a pool.

Kristen: You're welcome to come over for a swim tomorrow.

Ella: Thank you, I would love to come for a swim tomorrow.

2. Kristen does have a pool at home because Ella says, "You're so lucky to have a pool."
3. Kristen uses the pool all the time because Ella says, "I would use it all the time too."
4. Kristen asked Ella to go for a swim that afternoon and then again tomorrow.

Polly the Paramedic

1. a) a dog using the telephone
2. b) a paramedic talking to a dog on the telephone
3. b) somebody falling off a ladder and breaking their leg
4. This story is make-believe because:
 - A dog cannot operate a telephone.
 - A dog cannot talk.

Bruno's Big Adventure

1. All of the Williams family had gone out, so
 - a) Bruno was left on the back porch.
2. A big gust of wind caused the gate to open.
3. The gate was open, so
 - b) Bruno went to the park.
4. The Williams family came home, couldn't find Bruno and saw the gate was open. Mr Williams went to the park with Bruno's lead to bring him home.

Sushi Rolls

1. b) Boil the rice.
2. Order of events:
 - 2 - Boil the rice.
 - 4 - Spread mayonnaise over the rice.
 - 1 - Prepare the ingredients.
 - 5 - Put on cucumber, avocado and carrots.
 - 3 - Spread the rice over the sushi sheet.
3. The final step in making sushi rolls is to cut the roll into 6 slices.

Advertising Facts and Opinions

1. Fact: Available now from www.booksgalore.com

Opinion: *Ellie's Great Adventure* is the best book you will ever read!

2. *You will feel like you are walking on a cloud* is the opinion in the advertisement because not everybody will find the shoes that comfortable. Some people may find them very uncomfortable to wear.

3. Fact: The Grocks on Channel 2, every afternoon at 4 pm.

Opinion: We think it is the funniest show on television.

Sharks – The Leaders of the Ocean

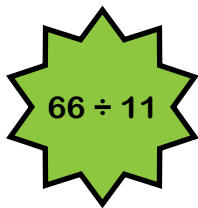
1. The main idea of this text is sharks; and how they are skilful predators.
2. Three details may include:
 - Sharks have sharp teeth and never run out of them.
 - Two-thirds of a shark's brain is dedicated to smell.
 - Sharks are able to feel vibrations in the water.
3. Important words include: sharks, top predators, sharp teeth, super senses, smell, eyes, vibrations.
4. Another good title for this text could be
 - c) Facts about Sharks.

Going on Holidays

1. The person is going to the snow. Clues include a musty bag, old lift pass, warm clothes, gloves, beanie, scarf, goggles, hot chocolate.
2. Answers will vary. Teacher to check reasoning.
3. The character might have left some snow in the bag from their boots.
4. Yes. The character was going on their annual holiday and they had a lift pass from last year.

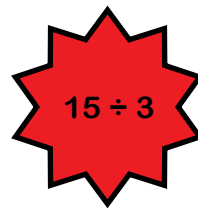
How Planes Fly

1. The four forces that a plane needs to fly are lift, thrust, weight and drag.
2. The engines of a plane produce its thrust.
3. The wings help give the plane more lift.
4. Lift – pushes the plane upwards, Thrust – moves the plane forwards, Weight – pulls the plane downwards, Drag – slows the plane down.



Division Colour Fun!

Answer Sheet



4 ÷ 2

1 white

5 red

9 brown

2 black

6 pink

10 light blue

3 dark green

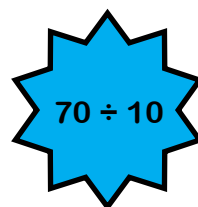
7 orange

11 light green

4 purple

8 yellow

12 brown



Answers

1. $(25 \times \$40) + (50 \times \$65) + (25 \times \$92) =$
 $\$1000 + \$3250 + \$2300 = \6550
The charity dinner raised \$6550

2. $(23 \times 2) + (2 \times 3) + (22 \times 3) =$
 $46 + 6 + 66 = 118$
 $118 \div 8 = 14.75$
They need to order 15 pizzas.

3. $135 \text{ minutes} \div 15 = 9$
Kim will see 8 buses and will leave on the 9th bus.

4. $\$3.35 \times 4 = \13.40
The trip from home to the city cost her \$13.40.

5. $\$385\,780 \times 6 = \$2\,314\,680$
 $\$12\,000 \times 6 = \$72\,000$
 $\$2\,314\,680 + \$72\,000 = \$2\,386\,680$
The airline spent \$2 386 680 on the planes.

6. $105 \div 14 = 7.5$
Chloe has to order 8 boxes to make sure that she has enough tiles to complete her bathroom.

7. $2.5 \text{ kg} = 2500 \text{ g}$
 $2500 \div 375 = 6.66$
Alex will need to buy 7 packets of ham to make enough sandwiches for his team.

8. $\$418 \div 12 = \34.83
You will pay \$34.83 per month. (Could be rounded to \$34.85)

9. $2 \text{ L} = 2000 \text{ ml}$
 $2000 \div 210 = 9.523$
You will need to drink 9.5 cups of water to have the recommended 2 litres per day.

10. $14 \text{ ml} \times 45 = 630 \text{ ml}$
Sandy needs 630 ml to make 45 cupcakes.

Answers

11. $\$385 \div 9 = \42.7777

Each person was paid \$42.77 to clean up the lake.

12. $40 \text{ cups} = \$8.00$

$7 \times \$1.20 = \8.40

It is better value to buy one packet of 40 cups than 7 packets of 5 cups.

13. $92 \text{ kg} + 34 \text{ kg} = 126 \text{ kg}$

$165 \text{ kg} - 126 \text{ kg} = 39 \text{ kg}$

The fourth boy weighs 39 kg.

14. $192 \div 20 = 9.6$

$9.6 \times 5 = 48$

They need 48 balls.

15. $384\,000 \div 42 = 9\,142.85$

You would run approximately 9143 marathons to get to the Moon.

16. $10 \times 60 = 600 \text{ seconds}$

$600 \times 4 = 2400$

There are 2400 babies born every 10 minutes.

17. 4th number is 2.

$2 \div \frac{1}{3} = 6$ (2nd number)

$6 \div 1.5 = 4$ (1st number)

$9 \times \frac{1}{3} = 3$ (3rd number)

The code is 9, 6, 3, 2.

18. $600 \times 50\,000 = 30\,000\,000$

Your tyres will rotate 30 000 000 times before they need to be replaced.

19. $190 \text{ km} \div 8 \text{ km} = 23.75$

Neil replaces his shoes every 23-24 weeks.

20. $2 \times 400 \text{ g} = 800 \text{ g}$

$20 \text{ kg} = 20\,000 \text{ g}$

$20\,000 \text{ g} \div 800 \text{ g} = 25$

Ralph needs a new bag of dog food every 25 days.

Answer Card

PANDORA'S PARTY PALACE

Lucy is buying some sweet treats for a party. She needs at least 80 sweet treats, but she doesn't want more than 100.

What combinations of sweet treats could Lucy buy for the party?

List some possibilities.

Calculate the total cost of the sweet treats for Lucy's party.

Answers may vary - Teacher to check.



Answer Card

PANDORA'S PARTY PALACE

Mario is planning a pizza party for his birthday. He needs 36 mini pizzas to feed his friends.

How many boxes of mini pizzas does Mario need to buy?

Calculate the total cost of the mini pizzas for Mario's birthday party.

Answer: 6 boxes, total cost \$48



Answer Card

PANDORA'S PARTY PALACE

Taylor's class was having an end-of-year party. Taylor was asked to bring the drinks. His budget for the drinks was \$40.

What combinations of drinks could Taylor buy for the class party?

List some possibilities.

Check that the drinks don't cost more than \$40.

Answers may vary - Teacher to check.



Answer Card

PANDORA'S PARTY PALACE

Amy's friends came over to her place for a movie night. Amy bought 5 packs of popcorn to share with her friends.

How many snack-size popcorn packets did Amy have at her movie night?

Calculate the total cost of 5 packs of popcorn.

Answer: 50 packets, total cost \$27.50



Answer Card

PANDORA'S PARTY PALACE

Mrs Small bought some party decorations for a surprise party for her class.

Mrs Small bought:

- 6 packs of streamers
- 4 packs of bunting
- 3 packs of party blowers.

How much did Mrs Small spend on decorations for the party?

Answer: total cost \$31.80



Answer Card

PANDORA'S PARTY PALACE

Sam decided to buy sushi rolls and chicken nuggets for his birthday party. He wanted each guest to have 6 pieces of sushi and 6 chicken nuggets.

If Sam invited 12 guests, how many boxes of chicken nuggets and packs of sushi did he need to buy?

Answer: 4 boxes of nuggets, 4 packs of sushi

Calculate the total cost for Sam's party food.

Answer: total cost \$96



Answer Card

PANDORA'S PARTY PALACE

Daniel and his family were going on a picnic with his cousins. Daniel's family was asked to bring the paper plates, cups and serviettes.

If there were 55 people were going to the picnic, how many packs of paper plates, cups and serviettes did Daniel's family have to buy?

Answer: 3 packs of paper plates, 3 packs of cups, 1 pack of serviettes

How much did Daniel's family spend on serving supplies?

Answer: total cost \$18



Answer Card

PANDORA'S PARTY PALACE

As a special treat, Mr Wright wants to buy his class lollipops.

If there are 32 children in the class, calculate for Mr Wright:

- the total number of packs of lollipops
- the total cost of the lollipops.

Answer: 3 packs, total cost \$6.54



Answer Card

PANDORA'S PARTY PALACE

Coach Carter needs enough bottles of water to give one to each player for the soccer gala day.

If 63 players are attending the soccer gala day, how many six packs of water should Coach Cater buy?

Answer: 63 bottles (11 six packs)

Calculate the total cost for the water.

Answer: total cost \$30.25



Answer Card

PANDORA'S PARTY PALACE

Naomi wants to decorate her house with bunting to welcome her grandparents back from an overseas trip.

Naomi needs 14 m of bunting to decorate the house.

Calculate how many packs of bunting Naomi must buy and the total cost of the bunting.

Answer: 5 packs, total cost \$12



Answer Card

PANDORA'S PARTY PALACE

Class 6A was having a cake stall to raise money for some new play equipment. They bought 14 boxes of cupcakes from Pandora's Party Palace and sold each cupcake at the stall for 50 cents.

Calculate:

- the total cost of the cupcakes
- the total profit made from the cake stall.

Answer: total cost \$49, total profit \$21



Answer Card

PANDORA'S PARTY PALACE

As part of their end-of-school year celebration, Principal Jones bought yoghurt ice blocks for every child in the school.

If there were 472 students in the school, how many boxes of yoghurt ice blocks did Principal Jones buy?

Calculate the total cost for the ice blocks.

Answer: 48 boxes, total cost \$287.52



Answer Card

PANDORA'S PARTY PALACE

For a science experiment, Professor Paleo needed 180 balloons and 360 paper cups.

Calculate for the experiment:

- the total packs of balloons
- the total packs of paper cups
- the total cost for the balloons and cups.

Answer: 9 packs of balloons, 15 packs of cups, total cost \$70.20



Answer Card

PANDORA'S PARTY PALACE

To help celebrate New Year's Eve, Lilly bought some decorations from Pandora's Party Palace. Her budget for decorations was \$100.

What combinations of decoration could Lucy buy for New Year's Eve?

List some possibilities, and then calculate the total cost Lilly spent on decorations.

Answers will vary - Teacher to check.



Answer Card

PANDORA'S PARTY PALACE

On the weekend, Jenny had a party for her 12th birthday. Calculate the total cost if Jenny bought:

- 3 packs of balloons
- 4 packs of streamers
- 5 packs of bunting
- 4 boxes of yoghurt ice blocks
- 10 boxes of chicken nuggets
- 5 packs of popcorn
- 10 bottles of lemonade.

Answer: total cost \$131.01



Answer Card

PANDORA'S PARTY PALACE

You have been given a budget of \$200 to organise your own party using items from Pandora's Party Palace.

After deciding on how many guests you will invite, make a list of the items you will buy and their total costs.

Calculate the total cost of the party to check that you have come in under budget.

Answers will vary - Teacher to check.



Answers

1. What celestial body had to be formed first before Earth could come into existence?

The sun had to be formed first to enable Earth to come into existence.

2. How long did it take for Earth to become roughly the size and shape it is today?

It took about 500 million years for Earth to become a size and shape similar to what it is today.

3. Research the definitions for the words below. Write the definition beside the word.

a) nebula - **a giant cloud of dust and gas in space**

b) debris - **scattered remains and broken pieces**

c) bombardment - **a continuous flow of objects that can cause damage**

4. Create a five step summary for the formation of Earth.

Teacher note: Some variation can be allowed with the responses but the first step must be the formation of the sun/solar system.

i) **The sun ignites and the solar system is formed.**

ii) **Specks of dust began to collide and form bigger rocks, eventually forming Earth.**

iii) **The planet is bombarded with debris, including a small planet, whose remains became the moon.**

iv) **Meteoroids and asteroids brought new chemicals and water to the planet.**

v) **The surface began to cool, forming a crust, then leading to an atmosphere and large bodies of water.**