

Lösungen Mathematik Woche 1

5 Prisma

Seiten 84, 85

Seite 84

- 1 Die Würfel a); c) und d) werden in Prismen zerschnitten.
- A a) Dreieckprisma: 6 Ecken; 9 Kanten; 5 Flächen
b) Trapezprisma: 8 Ecken; 12 Kanten; 6 Flächen
c) Sechseckprisma: 12 Ecken; 18 Kanten; 8 Flächen
- B a) Dreieckprisma (liegend)
b) Trapezprisma
c) Kein Prisma; Grund- und Deckflächen sind nicht gleich groß. Der Mantel besteht aus Trapezen.
d) Dreieckprisma (stehend)

Seite 84, links

- 2 Es entsteht ein Dreieckprisma.
- 3 (1); (2); (3); (5); (7) und (8) können zu einem Prisma gehören.

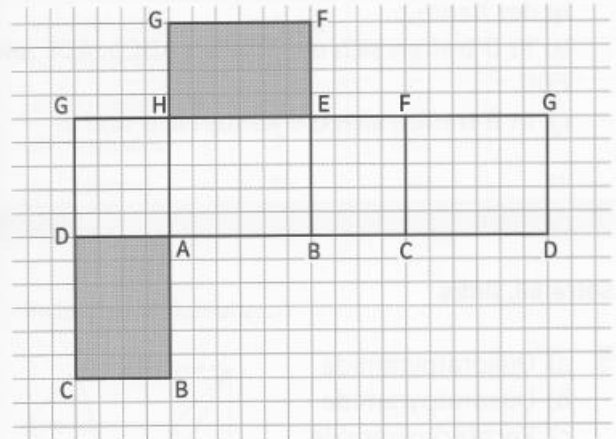
Seite 84, rechts

- 2 Das Netz lässt sich zu einem Trapezprisma falten.
- 3 a) Es entsteht ein Dreieckprisma mit 6 Ecken und 9 Kanten.
b) Es entsteht ein Fünfeckprisma mit 10 Ecken und 15 Kanten.

Seite 85, links

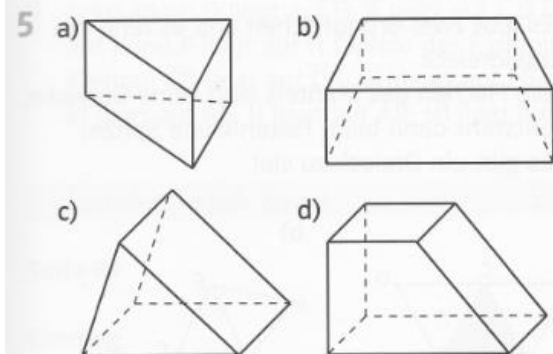
- 4 Die Netze (1); (2) und (4) lassen sich zu einem Prisma falten.
- 5 a) A – (2): Das Prisma hat ein Trapez als Grundfläche; das Trapez hat zwei rechte Winkel.
B – (1): Das Prisma hat ein symmetrisches Trapez als Grundfläche.
C – (4): Das Prisma hat eine dreieckige Grundfläche; das Dreieck ist gleichschenkelig und stumpfwinklig.
D – (3): Das Prisma hat eine dreieckige Grundfläche; das Dreieck ist gleichschenkelig und rechtwinklig.

6



Seite 85, rechts

- 4 a) Quader b) Trapezprisma



- 6 a) Kanten: \overline{OP} liegt auf \overline{ML} ; \overline{PQ} liegt auf \overline{LK} ; \overline{RQ} liegt auf \overline{RA} ; \overline{HG} liegt auf \overline{HI} ; \overline{GF} liegt auf \overline{IJ} ; \overline{DE} liegt auf \overline{DC} ; \overline{EF} liegt auf \overline{CB} ; \overline{KJ} liegt auf \overline{AB} .
Eckpunkte: O liegt auf M; P liegt auf L; Q liegt auf K; R liegt auf A; A liegt auf K; G liegt auf I; F liegt auf J; E liegt auf C; F liegt auf B; B liegt auf J.
- b) Kanten: \overline{ML} liegt auf \overline{MN} ; \overline{LK} liegt auf \overline{NA} ; \overline{KJ} liegt auf \overline{AB} ; \overline{JI} liegt auf \overline{BC} ; \overline{HI} liegt auf \overline{HG} ; \overline{DE} liegt auf \overline{FE} ; \overline{FG} liegt auf \overline{DC} .
Eckpunkte: N liegt auf L; A liegt auf K; B liegt auf J; C liegt auf G; D liegt auf F; G liegt auf I.


Lösungen zu Deutsch kommen nach Woche 2 (Aufgaben noch nicht fertig)

Lösungen Englisch aus dem Workbook (Orange Line 2, Workbook Lehrerausgabe, Klett Verlag). Lösungen zu den Aufgaben aus dem Buch nach Woche 2


3 Way in

Unit 3


London life




The Tower of London is a very old building. It was a prison, but now it's a famous tourist sight.



This big wheel is the London Eye. Lots of workers from the UK and other countries built it.



This building is a copy of an old theatre. William Shakespeare worked at the Globe Theatre more than 400 years ago.



Big Ben, or the Elizabeth Tower, is a very famous clock tower. It has 334 steps. How do people clean it? They abseil!

1 Put in the right words.

48/1

workers copy prison abseil ago built
clock wheel steps building ✓ sight than

2 (LISTENING) Right or wrong? Tick ✓ the right answers.

6
48/2

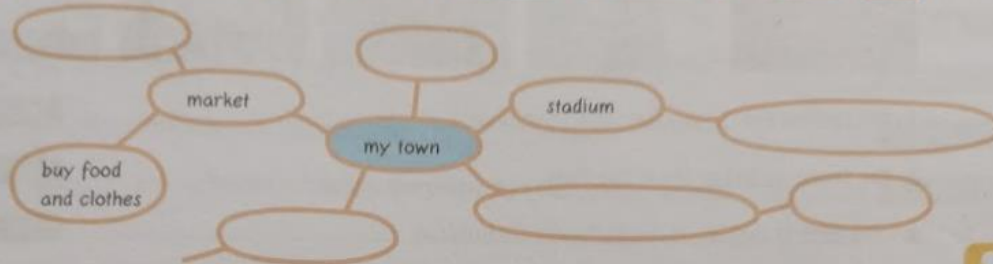
	right	wrong
1. The O2 is a big white tower.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. The O2 is 200 years old.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. You can listen to famous bands there.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. There is a cinema.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

34 thirty-four

1 A mind map

- a) Make a mind map about sights in your town. What can you do there?

bridge church museum theatre castle ...
look at listen to visit buy play walk ...



- b) Write about three of the sights in your town or three sights you know about.

There is a market on Saturdays. You can buy food and clothes there. We have a modern stadium. People do sports or go to concerts there. There is a monument in the city centre. It is 100 years old.

2 (LISTENING) Listen to the numbers.

Put a circle around the right number.

1. 224 242 2. 173 137 3. 296 269 4. 450 415 5. 868 886

3 A game with numbers

- a) Put circles around three numbers. Say the numbers to your partner. Your partner must write them down.

My numbers

154	984	229	1000
676	614	306	524
330	413	749	409

My partner's numbers are



- b) Now it's your partner's turn. Check your numbers together.

4 Compare these London sights. (Lösungsvorschlag)

52/90



1. The London Eye is smaller than the Shard.
2. The Shard is taller than Big Ben.
3. Big Ben is cooler than St Paul's Cathedral.
4. St Paul's Cathedral is older than the O2.
5. The O2 is newer than Big Ben.

small ✓

tall

cool

old

new

5 Complete Dominik and Luke's sentences. Use -er.

52/10

big ✓

funny

scary

easy

hot

good

Aufpassen:

hot → hotter

scary → scarier

good → better



1. My town in Poland is big, but London is bigger.
2. The weather isn't too hot today, but it's hotter than yesterday.
3. The London Eye isn't very scary, but it's scarier than a boat trip.
4. Is English easy for you, Dominik? - Well, it's easier than German!
5. Your sandwich is good, Luke, but I think my pizza is better.
6. Luke finds a funny postcard. But Dominik's photos are funnier.

6 Compare these things. Make sentences with more.

52/10

1. Shard • Big Ben • modern The Shard is more modern than Big Ben.
2. O2 • Greenwich Market • famous The O2 is more famous than Greenwich Market.
3. boat trip • bus trip • exciting A boat trip is more exciting than a bus trip.
4. London • small town • expensive London is more expensive than a small town.
5. Big Ben • O2 • interesting Big Ben is more interesting than the O2.
6. London Eye • Shard • beautiful The London Eye is more beautiful than the Shard.

53/11 **7 Complete Luke's sentences. Use -er or more.**

- Our day in London was cooler than a day in Greenwich. cool ✓
- Our boat trip yesterday was more interesting than the night walk with Sherlock. interesting
- I think Dominik was more excited than I was. excited
- The restaurant was dirtier than our school cafeteria. dirty
- But the sandwiches were bigger than at home. big
- Last year I lost my mobile in London. But yesterday I was more careful ! careful

53/11 **8 (WRITING) Compare the places. (Lösungsvorschlag)**



- a) Compare the bats in the two pictures.

old cool young ✓ funny interesting modern

Max is younger than Mr. Bat. Mr. Bat is older than Max. Max is more modern than Mr. Bat but Mr. Bat is more interesting than Max. Mr. Bat is cooler than Max but Max is funnier than Mr. Bat.

- b) Compare the London bus and London taxi in the two pictures.

The bus is more modern than the taxi. The taxi is older than the bus. The taxi is more interesting than the bus. The bus is bigger than the taxi. The bus is red and the taxi is black.

53/12 **9 (YOUR TURN) Buildings in your town**

Say three things about a building in your town. Your partner must guess the building. Take turns.

Example: Lena: My building is older than our school. It's grey and it has three doors.

Lukas: Is it the ...?

Lena: Yes, that's right.

3

Speaking corner

1 (MEDIATION) Read about the London Dungeon.

53/13



This is one of London's 'must-see' attractions. It's a 90-minute journey through 1,000 years of London's history. You walk through the Dungeon from show to show guided by our professional actors. The London Dungeon is scary fun for everyone (except small children). Plan ahead and book online. You'll save money!

Tickets	Price on the day	Online price
Adult (16 yrs +)	£25.20	£17.50
Children (4 - 15 yrs)	£19.80	£15.95

Setze einen Haken hinter die richtigen Sätze.

- Ein Besuch dauert eine Stunde.
- Man erfährt viel über die Vergangenheit Londons.

☐

3. Es ist gruselig, macht aber Spaß.

☒

4. Jugendliche über 16 zahlen den vollen Preis.

☒

5. Im Internet kosten Tickets nur die Hälfte.

☐

53/13

2 (SPEAKING) Make a dialogue.

- a) Two friends want to see the sights of London. Complete their dialogue.

more interesting

the Tower

a prison

taller

Let's go and see

looks really cool

that's boring

see scary things

more exciting

Partner A

Let's go and see the Shard!

But the Shard looks really cool.

And it's taller too. It's more than 300 metres high.

Why do you think the Tower is more exciting than the Shard?

Cool! Maybe we can see scary things!

Let's go to the Tower!

Partner B

The Shard? Oh no, that's boring. I

want to go to the Tower of London. It's

more interesting than the Shard.

That's right. But the Tower looks cool too. And

I'm sure it's more exciting than the Shard.

Because it was a prison!

- b) Act the dialogue with a partner.

- c) Write your own dialogue and act it with a partner

1 Match the sentence parts.

1. Holly and Olivia are _____ a) shoes in her size.
 2. Holly wants to _____ b) £49.99.
 3. Holly finds _____ c) in a department store.
 4. There's a beautiful dress, but it's too _____ d) and a scarf.
 5. Holly buys shoes _____ e) small for Holly.
 6. She gives the shop assistant _____ f) buy three things.

2 Write the words next to the picture.



1. bag
 2. dress
 3. top
 4. size
 5. hat
 6. receipt

3 (SPEAKING) In the clothes department

a) Complete the dialogue.

Kim: I need a new top.

shorter

cheap ✓

beautiful

colourful

expensive

small

shop assistant

Simon: Look, this top is cheap. It's only £3.99.

Kim: Yes, but it's too colourful for me. I want a red top.

Simon: Here's a nice red one. But it's too small for you. You need a bigger size.

Kim: This red top is nice, but it's too long. I think I need a shop assistant.

Simon: Hm, I can't see one. But look here, this top is shorter.

Kim: Oh yes, I like it. It's really beautiful.

And it's not too expensive - it's only £8.

b) Act the dialogue with a partner.

c) Write your own dialogue and act it with a partner. Use some of these words in your dialogue:

tight

fashionable

patterned

comfortable

uncomfortable

plain

loose

3

Station 2

4 What do you think? Make sentences with -est. (Lösungsvorschlag)



warm ✓ cheap cute long nice short

1. The warmest scarf is number 3.
2. The cheapest scarf is number 6.
3. The longest scarf is number 1.
4. The nicest scarf is number 4.
5. The cutest scarf is number 5.
6. The shortest scarf is number 2.

5 Make sentences about the trainers. Use most.



colourful

1. These are the most colourful trainers.



expensive

2. These are the most expensive trainers.



boring

3. These are the most boring trainers.



interesting

4. These are the most interesting trainers.

6 Put in the right forms.

adjective	comparative form	superlative form
cheap	cheaper	cheapest
big	bigger	biggest
pretty	prettier	prettiest
wet	wetter	wettest
easy	easier	easiest
good	better	best

7 (LISTENING) At a market in London

a) Look at the picture then listen to the dialogue. Who is at the market? Put a circle ☐ around the people.



b) Listen to the dialogue again. What does the boy want to buy? a blue T-shirt

8 Match the words and write Dominik's sentences. (Lösungsvorschlag)

- | | | | | |
|-------------------------|---|-----------|---|---------------------|
| 1. London is | → | exciting | → | place in the world. |
| 2. Westminster Abbey is | → | beautiful | → | building in the UK. |
| 3. The Shard is | → | cool | → | road in London. |
| 4. Oxford Street is | → | busy | → | church in London. |
| 5. Madame Tussauds is | → | crazy | → | museum in London. |

- London is the most exciting place in the world.
- Westminster Abbey is the most beautiful church in London.
- The Shard is the coolest building in the UK.
- Oxford Street is the busiest road in London.
- Madame Tussauds is the craziest museum in London.

9 Complete the dialogue.

Danny: I'd like this sweatshirt, please.

Danny: Here you are.

Shop Assistant: It's size S. Is that OK for you?

Shop Assistant: And here's your change, your
sweatshirt and your receipt. Bye!

Danny: Yes, it's fine.

Shop Assistant: That's £29.50, please.

Danny: Thanks. Bye!