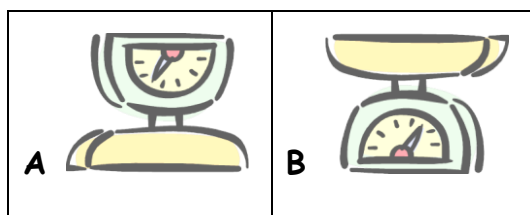


Topic: Useful Expressions - Describing similar triangles

Exercise 1

Compare the pairs of pictures below.

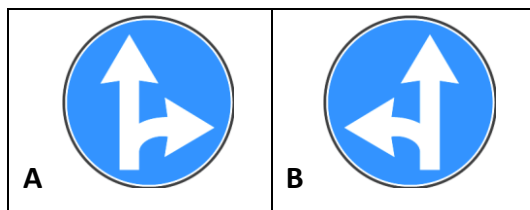
1.



Is A the same as B?

- ☐ **Yes**, A is the same as B.
- ☐ **No**, A is different from B?

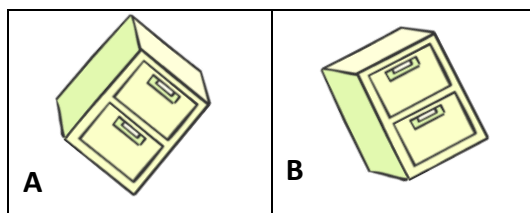
2.



Is A the same as B?

- ☐ **Yes**, A is the same as B.
- ☐ **No**, A is different from B?

3.



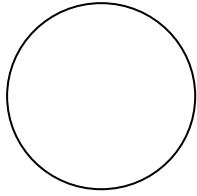
Is A the same as B?

_____, _____ is _____.

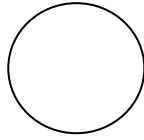
Exercise 2

Fill in the blanks with suitable words.

1.



A



B

Is A the same as B?

A is _____ B.

A has the same _____ as B, but a different _____ from B.

2.



Sam



Ben

Does Sam have the same job as Ben?

Sam is a fireman. Ben is a policeman.

Sam has a _____ Ben.

3.



Joe



Pat

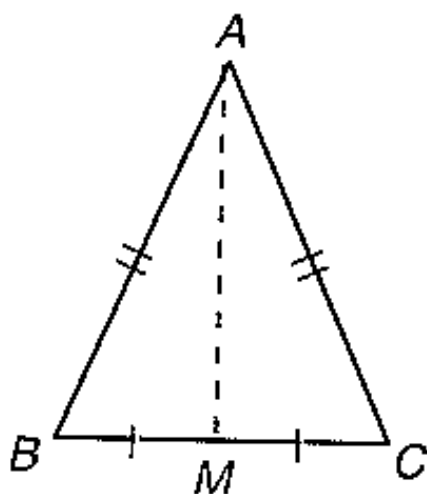
Does Joe have the same job as Pat?

Joe is a doctor. Pat is also a doctor.

Joe has _____ Pat.

Exercise 3

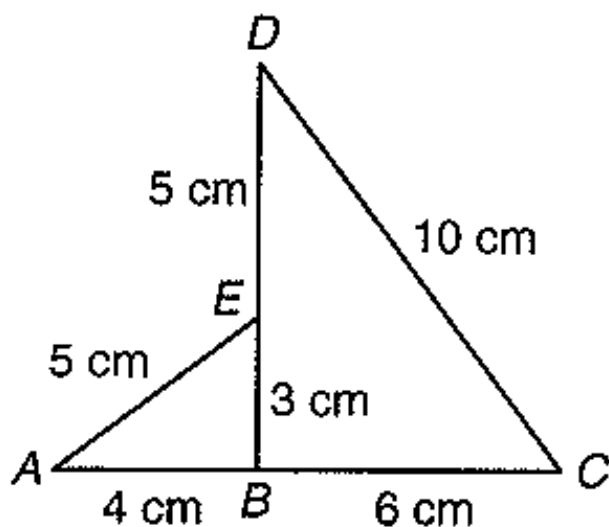
Fill in the blanks with the same as or different from, or circle the appropriate choices.



- AB is _____ AC.
- BM is _____ CM.
- AM in triangle ABM is _____ AM in triangle ACM.
- Triangle ABM has _____ sides _____ triangle ACM.
- Triangle ABM has the same [area / sides] (cm) as triangle ACM.
- Triangle ABM has the same [area / sides] (cm²) as triangle ACM.

Exercise 4

Fill in the blanks with the same as or different from, or circle the appropriate choices.



AB = _____ cm

DB = _____ cm

AE = _____ cm

BE = _____ cm

BC = _____ cm

DC = _____ cm

➤ AB is _____ DB.

➤ BE is _____ BC.

➤ AE is _____ DC.

➤ Triangle ABE has _____ sides _____ triangle DBC.

➤ Triangle ABE also has _____ height _____ triangle DBC.

➤ Triangle ABE has _____ area _____ triangle DBC.

Topic: Reading for information - Reducing carbon footprint

READING 1: CHECKLIST - Green Tips



To reduce carbon footprint, here's a list of simple things you can do immediately. Tick what you will try to do!

- ☐ Turn it off when not in use (lights, television, Hi Fi, computer etc. etc. ...)
- ☐ Turn down the water heating setting (just 2 degrees will be great)
- ☐ For short journeys either walk or cycle
- ☐ Reduce the number of flights you take
- ☐ Don't buy bottled water if your tap water is safe to drink
- ☐ Buy local fruit and vegetables, or even try growing your own
- ☐ Reduce your consumption of meat
- ☐ Try to only buy products made close to home (look out and avoid items that are made in the distant lands)
- ☐ Buy organic produce
- ☐ Don't buy over packaged products
- ☐ Recycle as much as possible

READING 2: FACT SHEET - Carbon Emission

Read the following fact sheet and answer the questions on page 3.

FACTS from Greenpeace

Source of CO₂

The primary human source of carbon dioxide (CO₂) in the atmosphere is from the burning of fossil fuels for energy production and transport. Another leading cause is deforestation, which is responsible for more greenhouse gas emissions than all the world's cars, trucks, planes and boats combined.

What are fossil fuels

Oil, coal and natural gas are called fossil fuels because they are formed from the remains of plants and animals living millions of years ago. They will eventually run out. However, if we want to avoid dangerous climate change, we need to switch to renewable energy sources as soon as possible.

Deforestation and CO₂ emissions

Most CO₂ emissions from deforestation stem from the destruction of tropical forests. This burning emits massive amounts of CO₂ into the atmosphere and increase unnatural fires.

1. Name three examples of fossil fuels.

2. What do people burn fossil fuels for?

3. Other than the burning of fossil fuels, what is mainly responsible for more greenhouse gas emissions?

4. Besides the emission of massive CO_2 , what is another harm deforestation do to the environment?

5. In the following, put a tick for renewable energy, and a cross for non-renewable energy.

☐ Solar energy

☐ Nuclear energy

☐ Coal

☐ Hydroelectric energy

☐ Wind energy

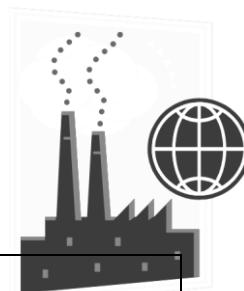
☐ Biomass

☐ Oil

☐ Geothermal energy

☐ Natural gas

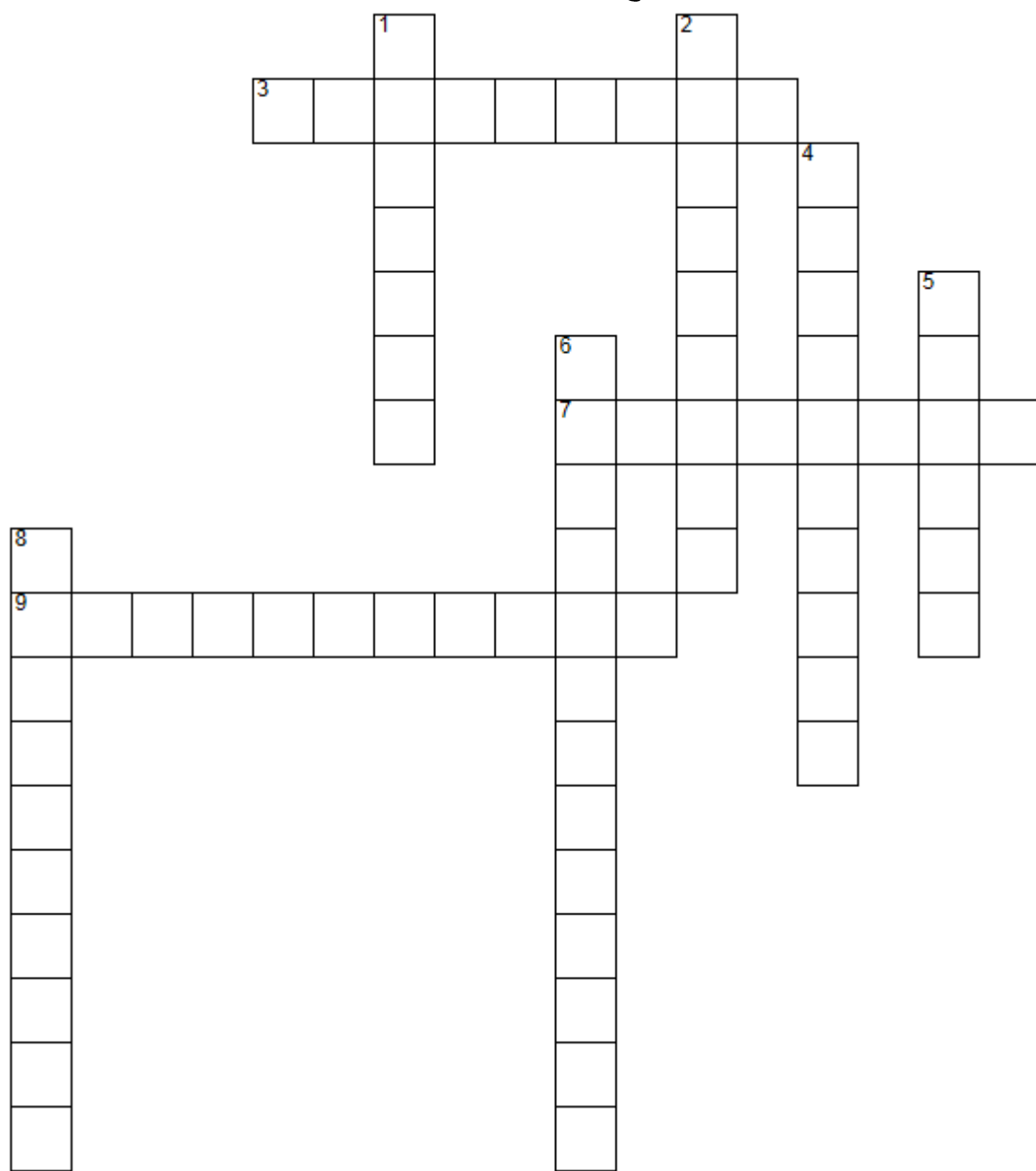
☐ Ground source energy



Topic: Theme-based vocabulary – Air pollution

pollution global warming climate change emission deforestation respiratory system greenhouse effect atmosphere carbon footprint	
1.	the air: gases around the Earth
2.	increase in CO2 amount worldwide
3.	burning of forests: massive tress
4.	the part of our body to breathe
5.	harm or damage to air, water, etc.
6.	measuring how much CO2 produced
7.	increasing temperature worldwide
8.	sending out of gases
9.	general weather becoming different

Crossword puzzle



Down:

1. general weather becoming different - _____ change
2. measuring how much CO₂ produced - carbon _____
4. the air - gases around the Earth
9. the part of our body to breathe - _____ system

Across:

3. harm or damage to air, water, etc.
7. sending out of gases
5. increasing temperature worldwide - _____ warming
6. burning of forests / massive tress
8. increase in CO₂ amount worldwide - _____ effect

Word Search

U Q V U B I V A U E H I Z S Z H W F U C W
 V I U S Y N G N E N O E Z T R X T C E W D
 R Q G E R D M D G N X I F V N M Q U M Y V
 K P O L L U T I O N Q Q M F Q Y L R J L G
 R X R H L I Z H H C K M U U E E Q E A R E
 Y H E A Q S D T F E S T L B R C S V X X J
 K J S N R K E K R V A F J E W U T E G G V
 K S P T L G F R I V A E H E O J A E S D L
 W Z I X L N O R Z J R P C H R C T T M K F
 F A R E E E R F H L S O N E F H L C K S T
 W S A Z V M E V O O C E F D T A P D B Z Y
 C C T U B I S D M O E L H X B N F G D K I
 W A O E Z S T T E R T N I O M G R R G B S
 N R R D O S A W G W E P L M U E X U P L Y
 T B Y C N I T U M S K G R L A K S V T D K
 A O O H W O I I W W Y E E I T T D P A D Y
 O N I A U N O Y B K V S V E N B E H C C J
 N I V O S T N I G G V A T R B T W B D O L
 W C G A F P E U X Q V R G E N Y F N T U M
 W L B I L O T O S L I W A R M I N G T Q M
 U E K F N J W H P C L Y T E M X I P N X K

pollution

global

warming

climate

change

emission

deforestation

respiratory

system

greenhouse

effect

atmosphere

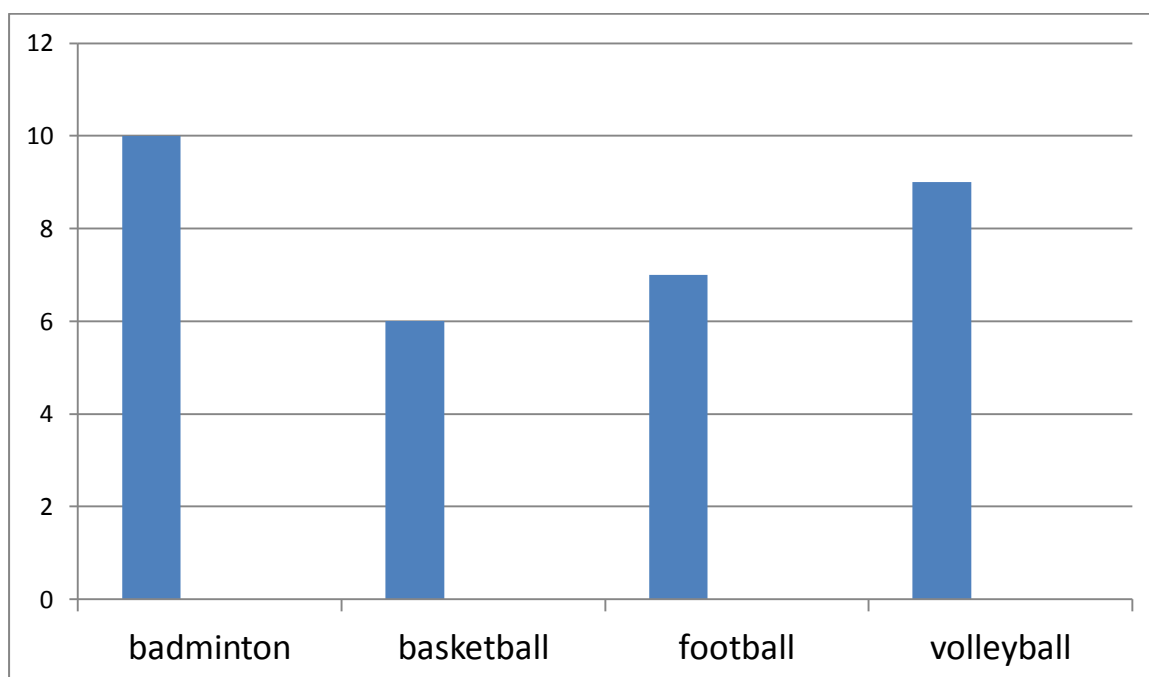
carbon

footprint

Topic: Verbal presentation – Reporting figures

Read the following bar chart and sample presentation script.

3F students' favourite ball games



Sample presentation script

Good morning everybody. I've done a survey on 3F students' favourite ball games. Let me tell you the results.

Firstly, badminton has the most number of supporters. There're 10 students who like badminton. So, badminton is 3F's favourite ball game.

Secondly, basketball has the least number of supporters in 3F. There're only 6 students who like basketball.

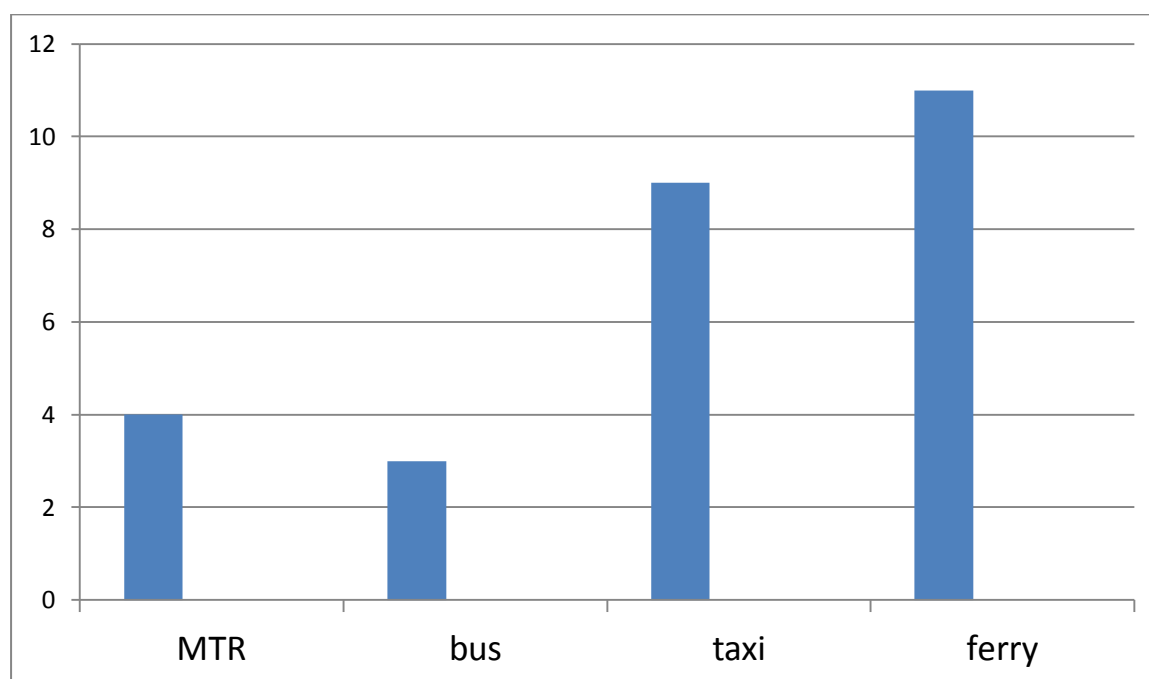
Lastly, volleyball has more supporters than football. In other words, football has fewer supporters than volleyball.

That's the end of my figure presentation. Thank you for listening.

Useful expressions

- ✓ _____
- ✓ _____
- ✓ _____
- ✓ _____
- ✓ _____

3A students' favourite ball games



TASK: Read the above bar chart and prepare a verbal presentation to report the figures to the class.