



SUBJECT: FOUNDATIONAL ENGLISH AND FOUNDATIONAL MATHEMATICS

LEVEL: PLP

ACTIVITIES

UNIT 1: GROUP COMMUNICATION



Exercise 1.1 Team Project

Classwork

Split into teams of 4 people. Decide who will be the leader and who will take notes.

The reason for the team to come together is that you have decided that as a group you want to do something special in your community.

- Brainstorm ideas in your group to find something that you would like to do. (Some ideas could be to get people involved to clean a street in your town, visiting the hospital, take something nice to an old age home or orphanage etc.)
- 2. Once you have an idea, make a list of the things you need to do to prepare for your project.
- 3. From the list prepare an action plan.
- 4. Put all your notes behind this page. Mark each page clearly.

It is up to you if you are going to really complete your project. If you do, take photos and gather other evidence to show how you did it.

Homework Answer the following questions in full sentences and in your own words. Use a separate piece of paper, mark it clearly and add it behinid this page.

When team members know what the purpose of their project is they know......

List four things you have to consider when you are putting an action plan together.



Exercise 1.2 Cultural Diversity

Classwork

South Africa is known as the Rainbow Nation with 11 official languages and many different cultures.

Choose a classmate that does not have the same ethnic culture as you do and find out about his or her culture by asking the following questions: (Remember to take notes while you talk!)

- 1. What kind of food do you eat in your culture?
- 2. What are the customs in your culture?
- 3. How do you celebrate Heritage Day?
- 4. What are the family values in your culture?
- 5. Do you feel part of your own culture?

From your notes write five paragraphs to tell others about your class mate's culture.

Place all you evidence behind this page.

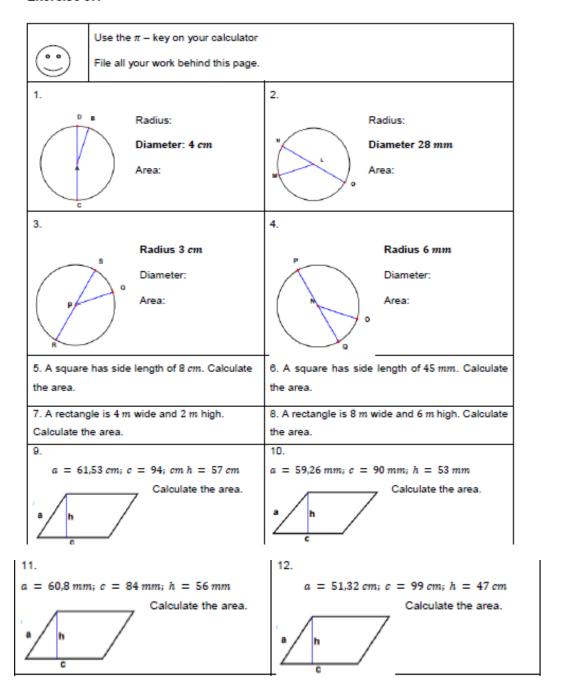
Homework

Use a mindmap and think about your own culture. Make notes on your mindmap and then write five paragraphs to tell others about your own culture.

Put your mind map and your writing behind this page.

UNIT 3: CALCULATE THE AREA OF TWO-DIMENSIONAL SHAPES

Exercise 3.1

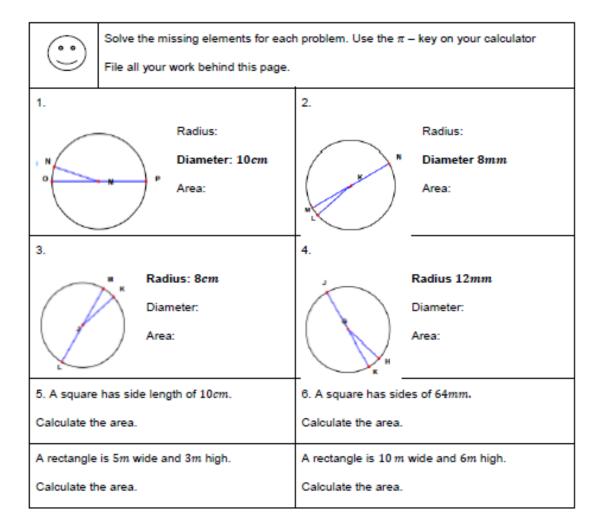


13. 14. a1 = 92 cm; a2 = 31 cm;a1 = 90 mm; a2 = 39 mm; $b1 = 57,24 \, mm; \, b2 = 46,29 \, mm;$ b1 = 51,59 cm; b2 = 52,23 cm;h = 42 cm $h = 44 \, mm$ Calculate the area. Calculate the area. 15. 16. a1 = 95 mm; a2 = 45 mm;a1 = 97 cm; a2 = 46 cm;b1 = 58,16 mm;b1 = 64,13 cm; b2 = 48,74 cm; h = 48 cm $b2 = 48,2 \, mm \, h = 46 \, mm$ Calculate the area. Calculate the area. **a**1 17. a = 50,99 mm; b = 91,41 mm;a = 45,6 cm; b = 81,85 cm; c = 88 cm; $c = 95 \, mm$; $h = 48 \, mm$ h = 42 cmCalculate the area. Calculate the area. 19. 20. a = 59 cm; b = 74 cm; h = 66,2 cm $a = 41 \, cm; b = 80 \, cm; h = 74,7 \, cm$ Calculate the area Calculate the area





Exercise 3.2



Exercise 3.3

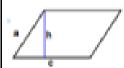


Use the π - key on your calculator

File all your work behind this page.

1.

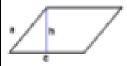
a = 65,18 cm; c = 91 cm; h = 59 cm



Calculate the area.

2.

a = 54,46 mm; c = 95 mm; h = 51 mm



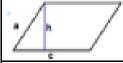
Calculate the area.

3.

a = 46,74 mm; c = 80 mm; h = 44 mm



a = 51,53 mm; c = 83 mm; h = 48 mm



Calculate the area.



Calculate the area.

5

a1 = 89 cm; a2 = 47 cm;

 $b1 = 66,04 \, cm; \, b2 = 50.01 \, cm;$

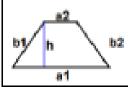
h = 50 cm

6.

 $a1 = 80 \, cm; \, a2 = 43 \, cm;$

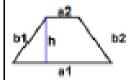
 $b1 = 65,6 \, cm; \, b2 = 52,09 \, cm; \, h = 52 \, cm$

Calculate the area.



Calculate the area.

Calculate the area.



7.

 $a1 = 87 \, cm; \, a2 = 30 \, cm;$

b1 = 60,32 cm; b2 = 61,83 cm;

 $h = 54 \, cm$



81

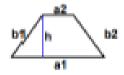
8.

 $a1 = 94 \, mm; a2 = 42 \, mm;$

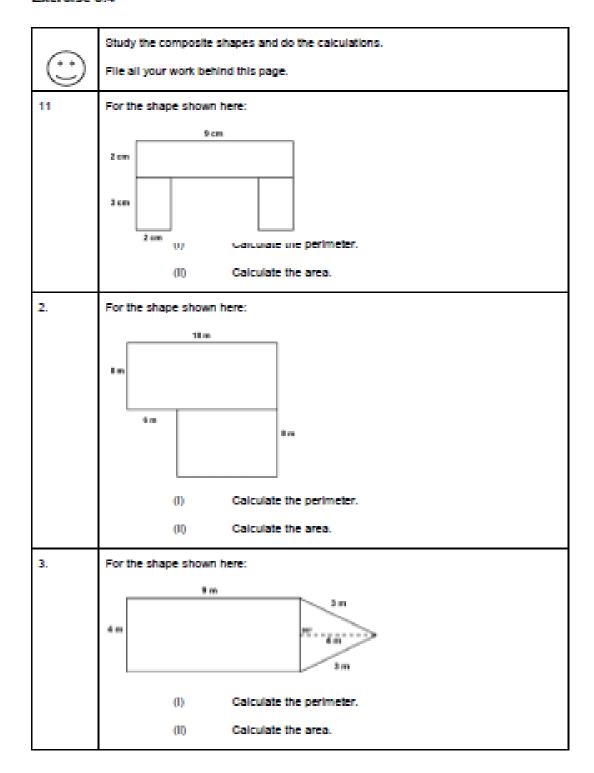
 $b1 = 71.3 \, mm; \, b2 = 56,55 \, mm;$

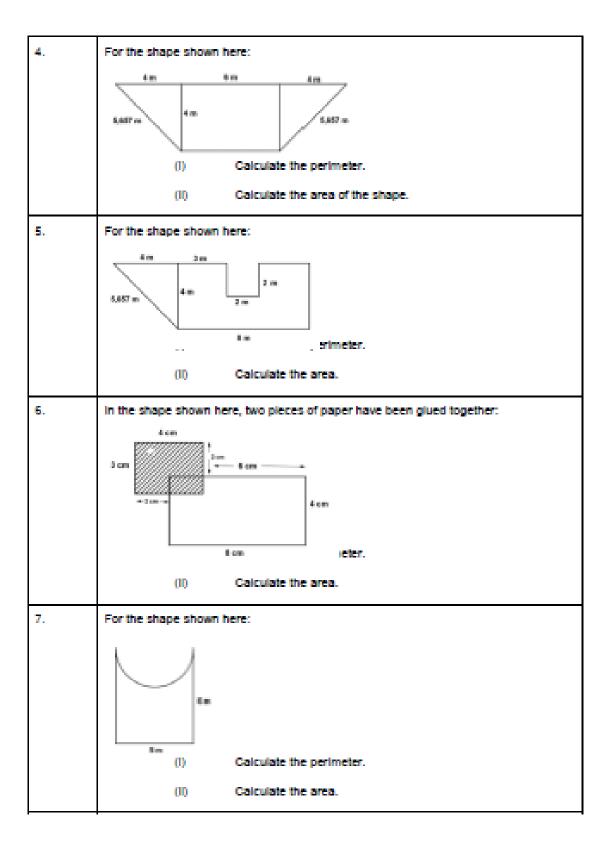
 $h = 56 \, mm$

Calculate the area.



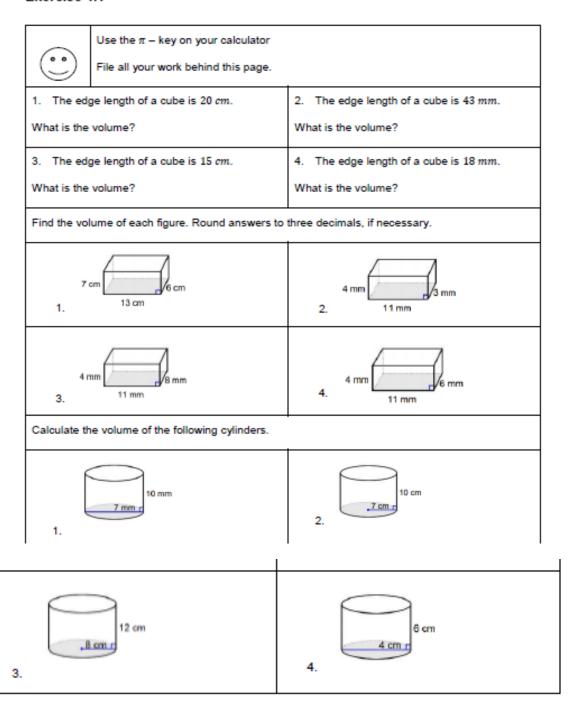
Exercise 3.4





UNIT 4: VOLUMES OF THREE DIMENSIONAL FIGURES

Exercise 4.1



Exercise 4.2

Use the π – key on your calculator File all your work behind this page.		
The edge length of a cube is 10 cm.	2. The edge length of a cube is 33 mm.	
What is the volume?	What is the volume?	
3. The edge length of a cube is 17 cm.	4. The edge length of a cube is 30 mm.	
What is the volume?	What is the volume?	
Find the volume of each figure. Round answers to three decimals.		
3 cm 7 cm	3 10 B	
3.	4. 14	
Calculate the volume of the following cylinders.		
12 cm	3 cm r 4 cm	

Exercise 4.3

	Read the word problems and answer the questions.	
	File all your work behind this page.	
1.	Jonah is going to put tiles on the floor of his house. The length of the house is $12\ m$ and the breadth of the house is $10\ m$.	
	The tiles are $0.5m \times 0.5m$.	
	Answer the following questions:	
	(i) Pick the correct word: the house is a (square / rectangle).	
	(ii) Pick the correct word: the tile is a (square / rectangle).	
	(iii) Calculate the perimeter of the house.	
	(iv) Calculate the area of the house.	
	(v) Calculate the perimeter of the tile.	
	(vi) Calculate the area of the tile.	
	(vii) How many tiles will he use?	
2.	Zizipho works at a play school where she takes care of young children while the parents are at work. She has asked a friend to build a sandpit for the school so that the children can play in the sand.	
	The measurements of the sandpit are the following:	
	• Length = 1,75 m	
	• Breadth = 1,5 m	
	• Height = 0.4 m	

Answer the following questions:

- (i) Calculate the perimeter of the sandpit.
- (ii) Calculate the area of the sandpit.
- (iii) Calculate the volume of the sandpit.
- (iv) If she wants to fill the sandpit so that the top 10 cm does not have sand in it, calculate the volume of sand she needs to get.

	,
3.	At another playschool, they have a round sandpit. The diameter of the sandpit is 2,1 m and it is 40 cm high. Answer the following questions:
	(c) Colordate the against a of the conduit
	(v) Calculate the perimeter of the sandpit.
	(vi) Calculate the area of the sandpit.
	(vii) Calculate the volume of the sandpit.
	(viii) If she wants to fill the sandpit so that the top 10 cm does not have sand
	in it, calculate the volume of sand she needs to get.
4.	The playschool has a slide for the children.
	As you can see, it has the shape of a triangle.
	(i) Calculate the perimeter of the
	triangle.
	(ii) Calculate the area of the triangle. → 1,7m →
5.	The stuffed part of the back seat in a taxi 130 cm long,
	50 cm wide and 40 cm thick (height.)
	For the back seat, do the following calculations:
	(i) Calculate the perimeter of the seat.
	(ii) Calculate the area of the seat.
	(iii) Calculate the volume of upholstery foam (stuffing inside the seat) needed.
	The back rest of the seat is also 130 cm long, 50 cm wide but only 10 cm thick (height.)
	(i) Calculate the perimeter of the back rest.
	(ii) Calculate the area of the back rest.
	 (iii) Calculate the volume of upholstery foam (stuffing inside the back rest) needed.