

Platinum

Mathematics

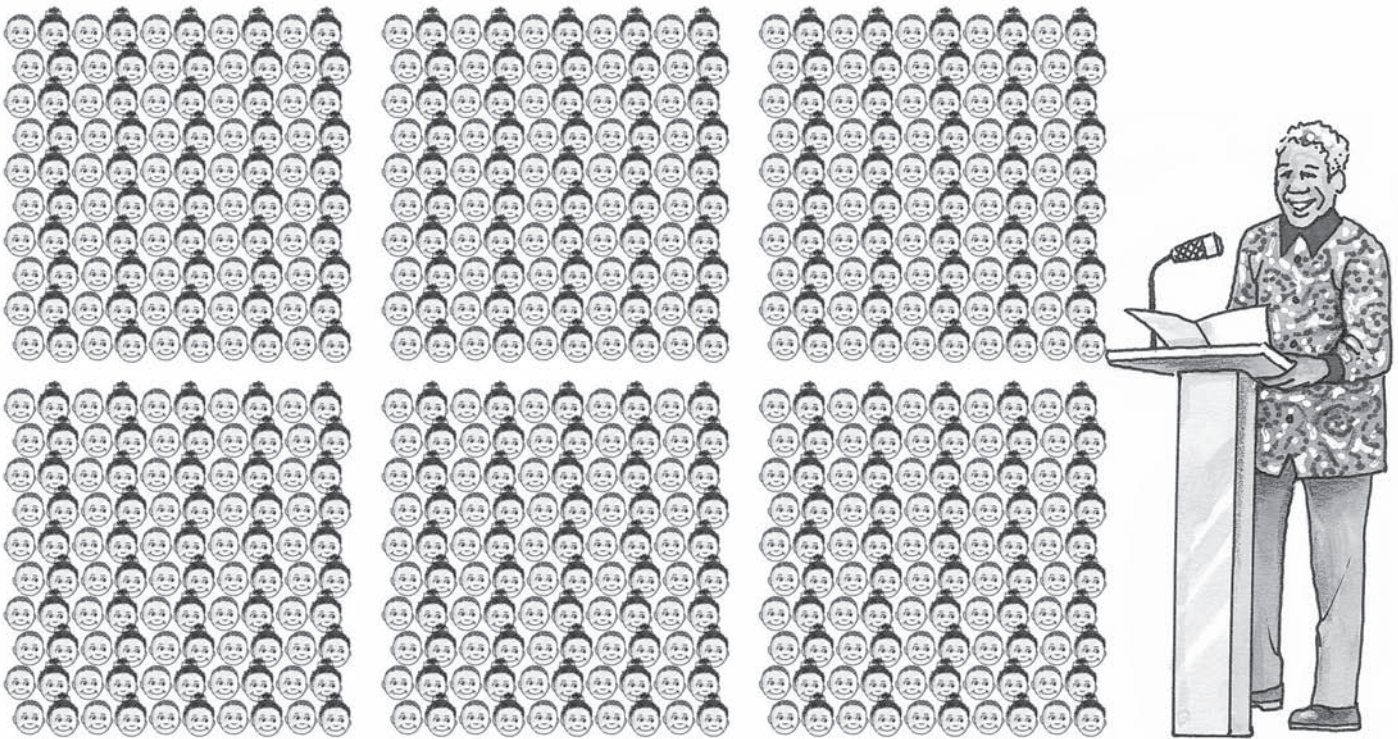
Grade 3

Practice Book



Worksheet I: Big numbers

Nelson Mandela is a very special person who inspires millions of people around the world.



1. Estimate the number of people in this section of the audience. _____
2. Count them. How many people are there? _____
3. Half of them are women. How many is this? _____
4. The picture shows $\frac{1}{2}$ the audience. How many people are there altogether? _____
5. At interval, 400 people buy a hotdog. How many people did not buy one? _____
6. Each person in the audience donated R2 to The Nelson Mandela Children's Fund. How much money was donated? _____

This activity was 😊 😞 . Why? _____

Worksheet 2: More fun with numbers

5 9 7

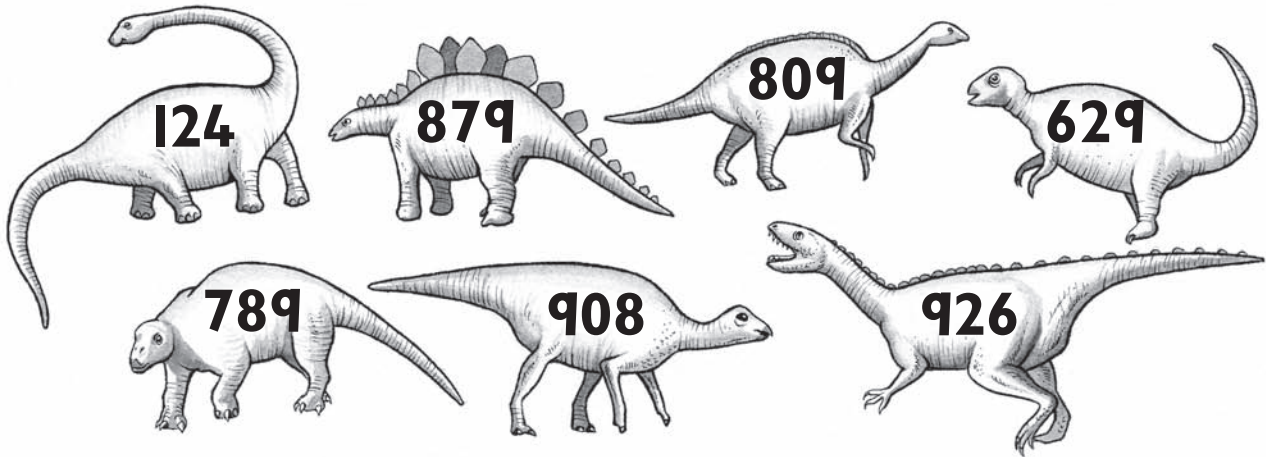
1.
 - a. Make as many 3-digit numbers as you can, using the digits on the number plate. _____

 - b. Which number is biggest? _____
 - c. Which number is smallest? _____
 - d. Subtract the smallest number from the biggest number. _____
 - e. Add the biggest number to the smallest number. _____
2.
 - a. Draw a square around the 9 that represents 9 tens.
 - b. Draw a triangle around the 9 that represents 9 hundreds.
 - c. Draw a circle around the 9 that represents 9 units.

9 9 9

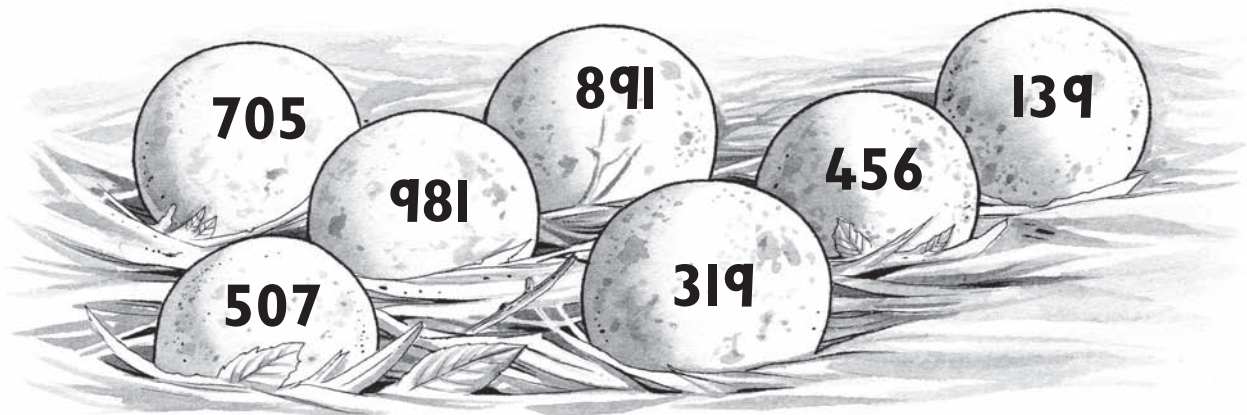
I enjoyed doing Activity _____ the most.

Worksheet 3: Ordering numbers



1. Arrange the numbers on the dinosaurs:
a. from smallest to biggest.

b. from biggest to smallest.

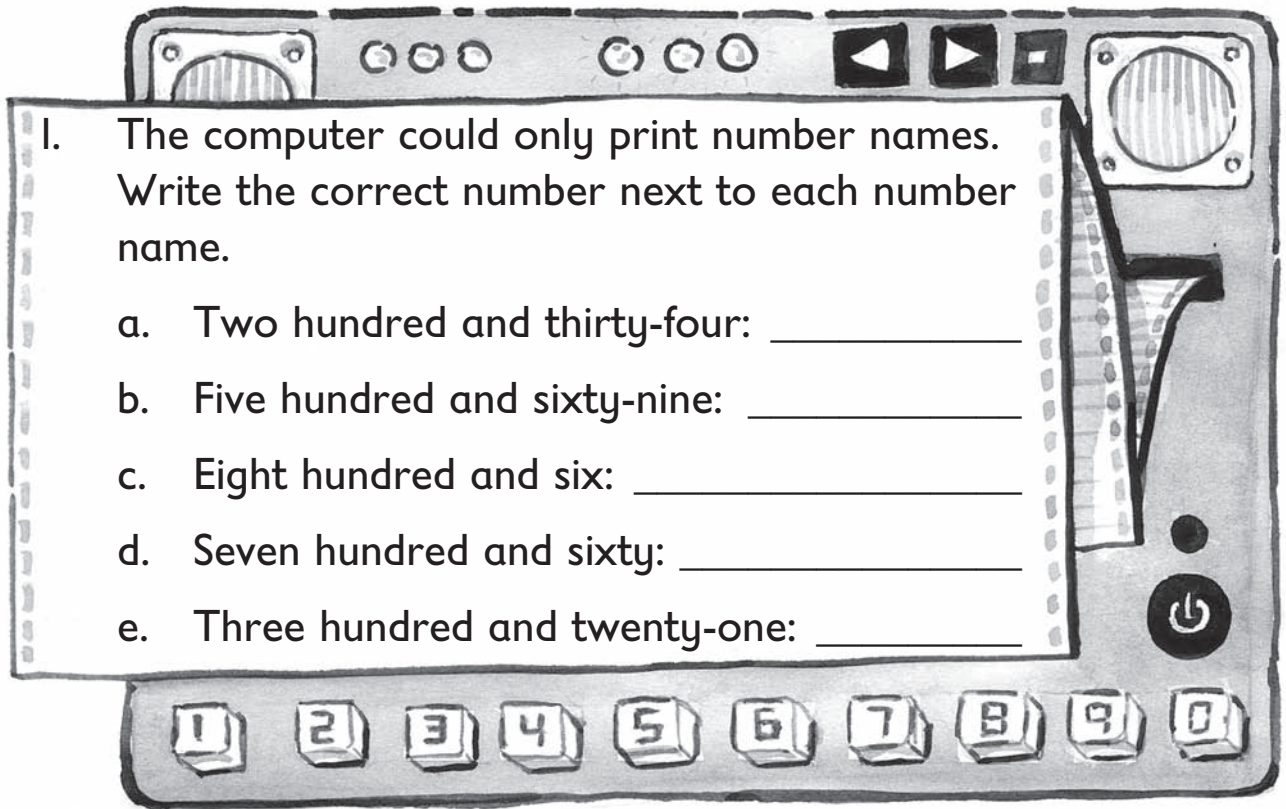


2. Arrange the numbers on the dinosaur eggs:
a. from biggest to smallest.

b. from smallest to biggest.

This activity was 😊 😞 . Why? _____

Worksheet 4: Big numbers



2. The number machine breaks up the numbers. Fill in the missing ones:

786 →		→	700 + _____ + _____
416 →		→	_____ + 10 + _____
244 →		→	_____ + _____ + _____
901 →		→	900 + _____ + _____
555 →		→	_____ + _____ + _____

I liked Activity _____ the most.

Worksheet 5: Making numbers

1. Make the biggest and smallest numbers you can with the cards.

			Biggest	Smallest
1	5	7	_____	_____
3	8	2	_____	_____
4	6	9	_____	_____
1	0	5	_____	_____
4	1	0	_____	_____
9	8	3	_____	_____

2. Round these numbers off to the nearest 10.

- | | | |
|----------------|----------------|----------------|
| a. 9 → _____ | b. 58 → _____ | c. 79 → _____ |
| d. 13 → _____ | e. 11 → _____ | f. 82 → _____ |
| g. 138 → _____ | h. 312 → _____ | i. 255 → _____ |

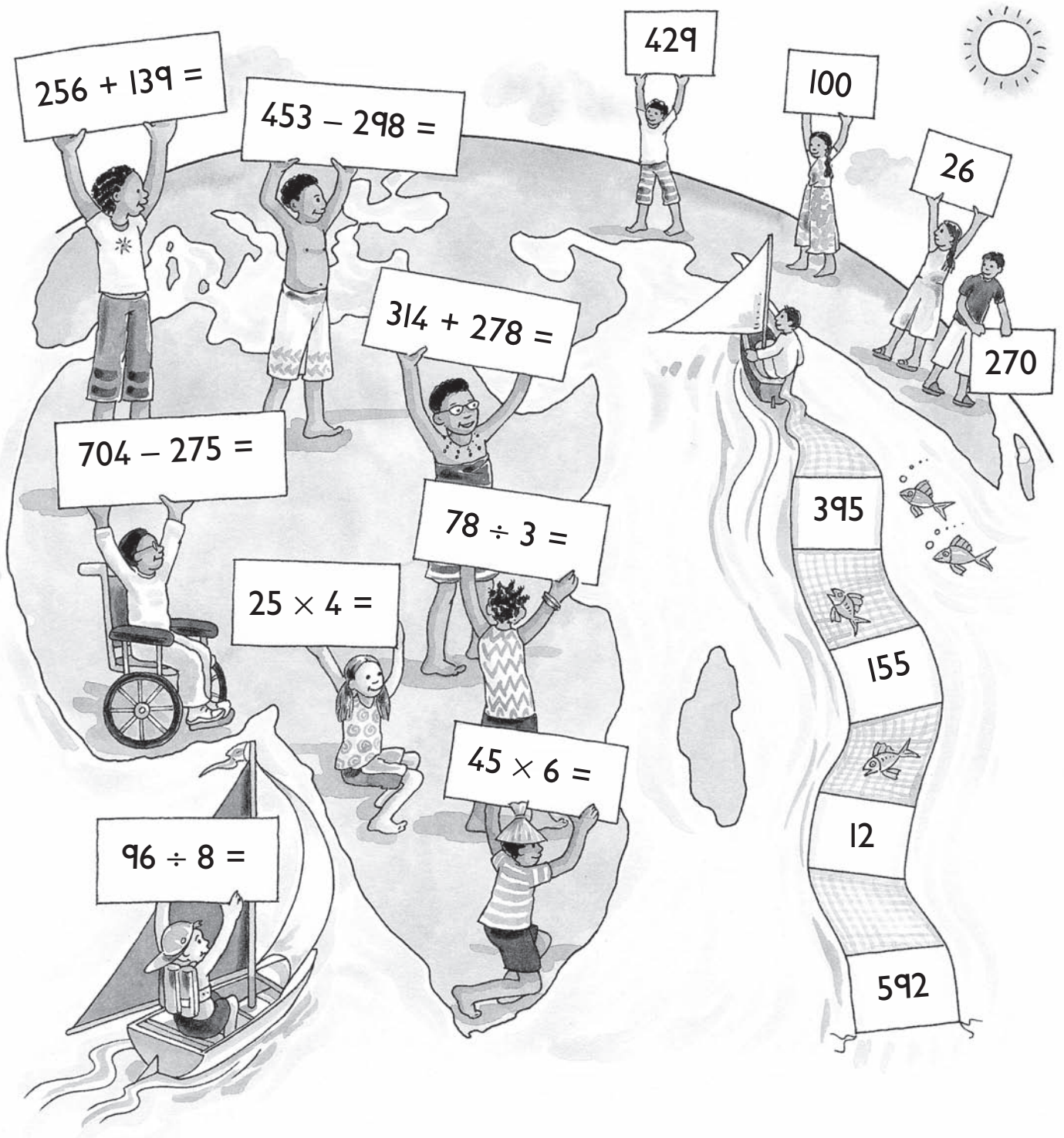
3. Use rounding off to the nearest 10 to calculate these.

- a. $36 + 48 =$ _____
- b. $78 + 27 =$ _____

I enjoyed Activity _____ the most.

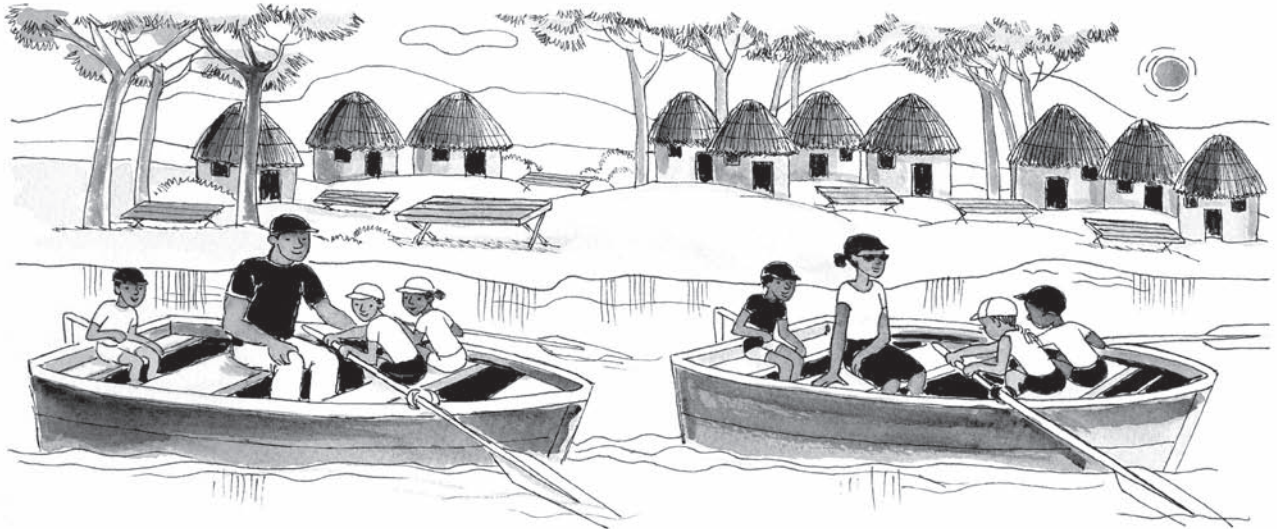
Worksheet 6: Calculating around the world

The children of Africa hold the calculations. The children of India hold the answers. Join each calculation to the correct answer.



I found this easy or hard . (✓)

Worksheet 7: Multiplication



The Grade 3 class, 16 parents and 2 teachers go camping.

1. There are 66 people at the camp.
How many learners are there? _____
2. There are 28 girls and 20 boys. Each bungalow sleeps 8.
How many bungalows are needed? _____
3. a. During meals, 3 adults sit at each table.
How many tables are needed? _____
b. How many learners sit at each table? _____
4. They all go rowing. One adult and 3 learners are allowed per boat.
 - a. How many boats do they need to go rowing at the same time? _____
 - b. The camp has 8 boats. How could the camp supervisor organise the rowing? _____

This activity was   . Why? _____

Worksheet 8: Number work (+, -, ×, ÷)

Six firefighters are sharing lunch.

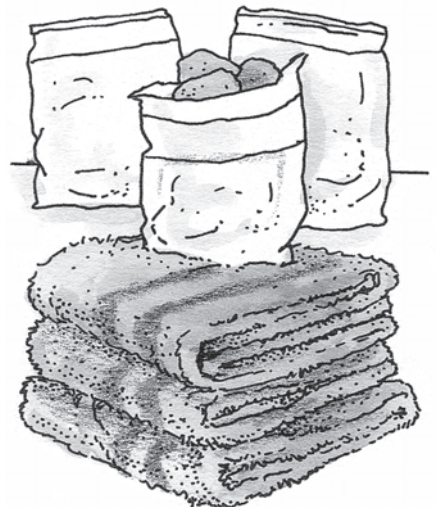


1.
 - a. The firefighters share 15 sandwiches. How many do they each get? _____ How many are left? _____
 - b. They share 10 tins of cooldrink. How much does each firefighter get? _____ How many are left? _____
 - c. If each tin of cooldrink costs R3, how much do they cost altogether? _____
2. The community helps the 4 families who lost possessions in the fire. There are 17 blankets for the families to share.

- a. How many does each family receive? _____
- b. How many are left? _____

There are 10 bags of potatoes with 6 potatoes in each.

- c. How many bags of potatoes does each family receive? _____
- d. How many potatoes are left?



I enjoyed doing Activity _____ the most.

Worksheet 9: Number treasure hunt!

Neo and her friends take part in a treasure hunt. This map will help them find the treasure. At each traffic circle they must solve the puzzle and then move in the direction of the answer. Help them find the correct paths.

Start here

The legs of 6 tables

The wheels of 8 bicycles plus the wheels of 2 tricycles

All my fingers and toes

The wings of 7 birds

5 times your toes

The tails and paws of 5 cats

The legs of 8 dogs

Treasure!

This activity was 😊 😞 . Why? _____

Worksheet 10: Numbers long ago

Going back in time, we see that the Egyptians wrote numbers in a different way. Here are some examples.



The order was not important to them, 25 could be written in three different ways:



1. Write these numbers the Egyptian way.

- a. 78 _____ b. 152 _____
c. 1 025 _____ d. 601 _____

2. What numbers are written here?

a. _____

b. _____

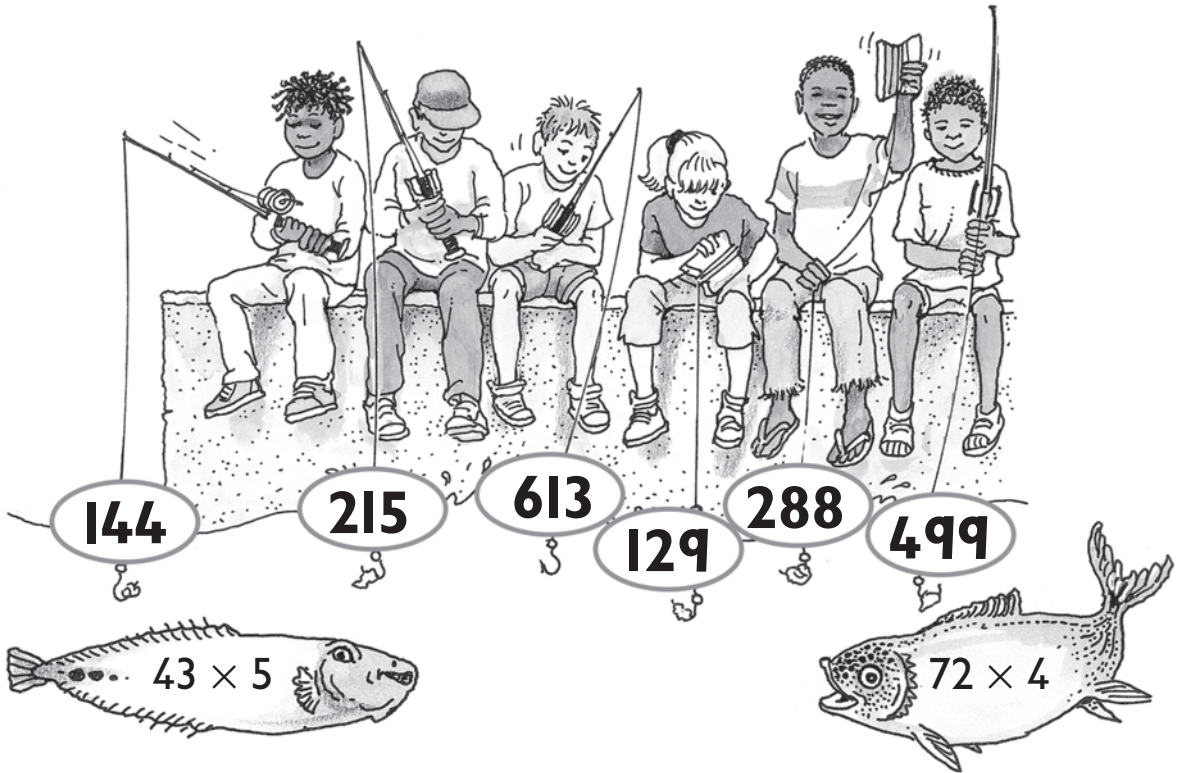
c. _____

d. _____

This activity was 😊 😞 . Why? _____

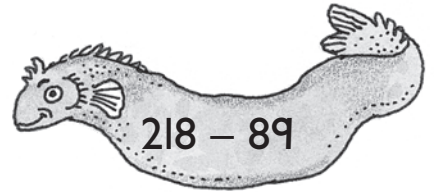
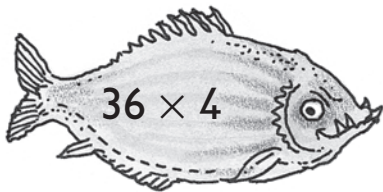
Worksheet II: Estimation

First estimate your answers without calculating. Now check your estimation by calculating. Then connect the fish to the correct fishing line.



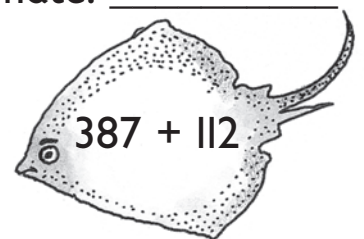
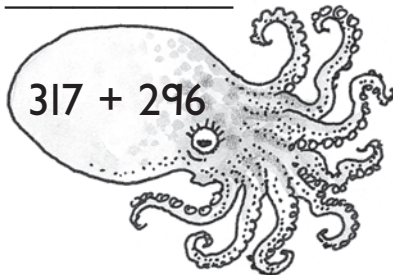
Estimate: _____

Estimate: _____



Estimate: _____

Estimate: _____



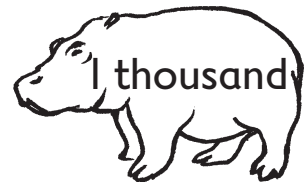
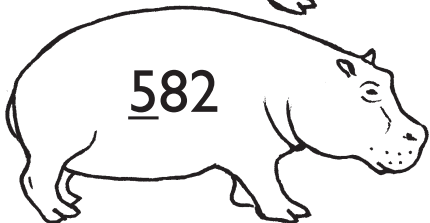
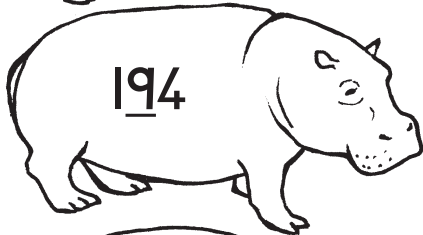
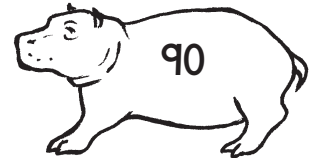
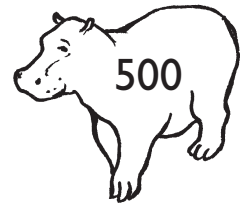
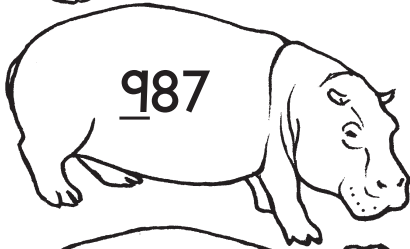
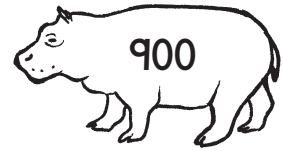
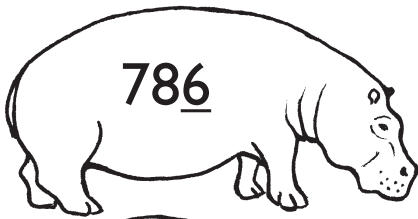
Estimate: _____

Estimate: _____

I found this easy or hard . (✓)

Worksheet I2: Number place values

1. Connect the underlined digit on each hippopotamus to its value on a calf:



2. Write these numbers in expanded notation:

a. $236 = \underline{\quad} + \underline{\quad} + \underline{\quad}$

b. $967 = \underline{\quad} + \underline{\quad} + \underline{\quad}$

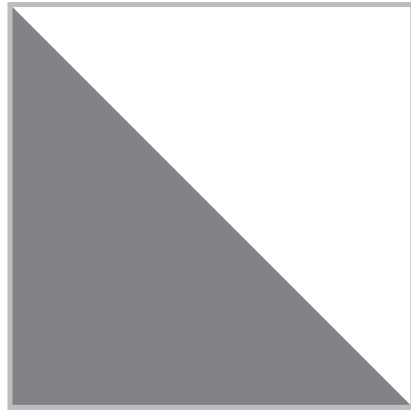
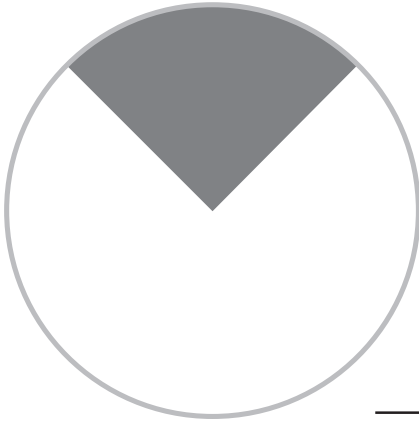
c. $103 = \underline{\quad} + \underline{\quad} + \underline{\quad}$

d. $830 = \underline{\quad} + \underline{\quad} + \underline{\quad}$

I enjoyed doing Activity _____ the most.

Worksheet 13: Fun with fractions

1. What fraction of the shape has been shaded?

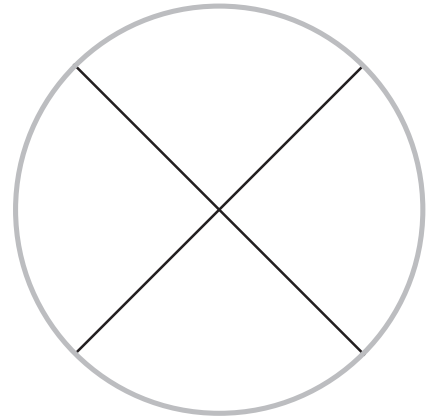


2. Shade these fractions in each shape.

$\frac{1}{3}$



$\frac{3}{4}$



3. Which is bigger?

a. $\frac{1}{2}$ or $\frac{1}{3}$ _____

b. $\frac{1}{2}$ or $\frac{1}{4}$ _____

c. $\frac{1}{3}$ or $\frac{1}{4}$ _____

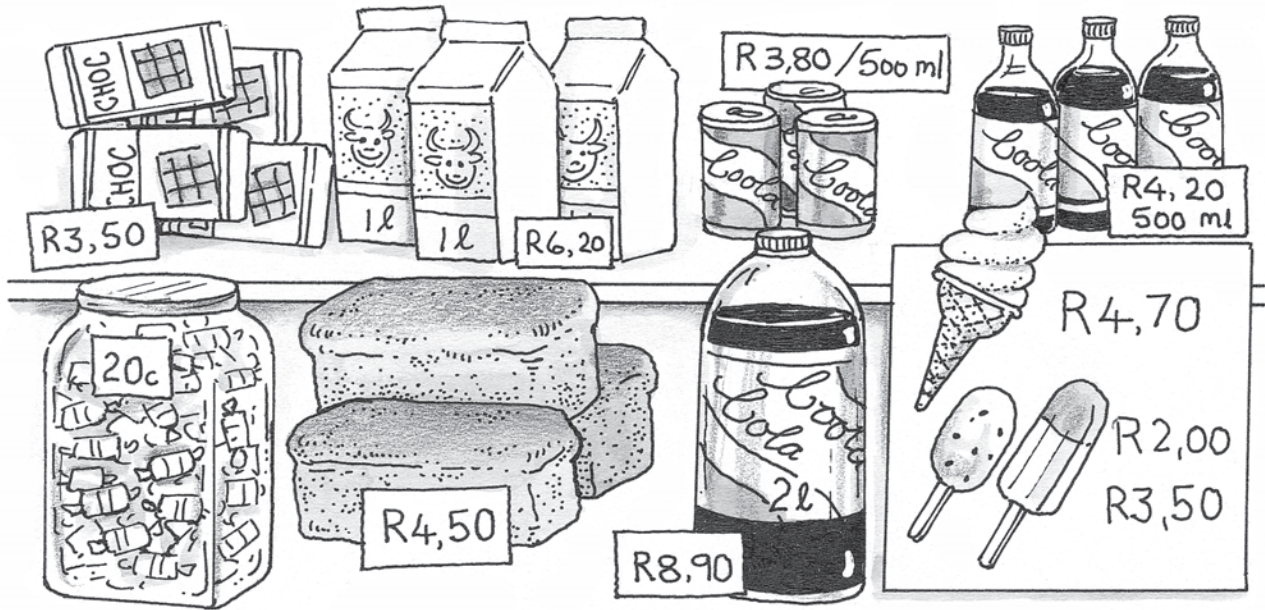
d. $\frac{3}{4}$ or $\frac{1}{2}$ _____

e. $\frac{3}{4}$ or $\frac{1}{3}$ _____

f. $\frac{3}{4}$ or $\frac{1}{4}$ _____

I found this activity easy or hard . (✓)

Worksheet 14: Shopping



1. Linda buys a loaf of bread and pays with a R10 note. How much change does she get? _____
2. Ayanda buys 2 chocolate bars and 3 sweets. How much must she pay? _____
3. Sandra buys a 2-litre bottle of cooldrink and a loaf of bread.
 - a. How much must she pay? _____
 - b. How much change will she get from R50? _____
4. Siphwe has R50 and wants to spend all his money. What can he buy? _____

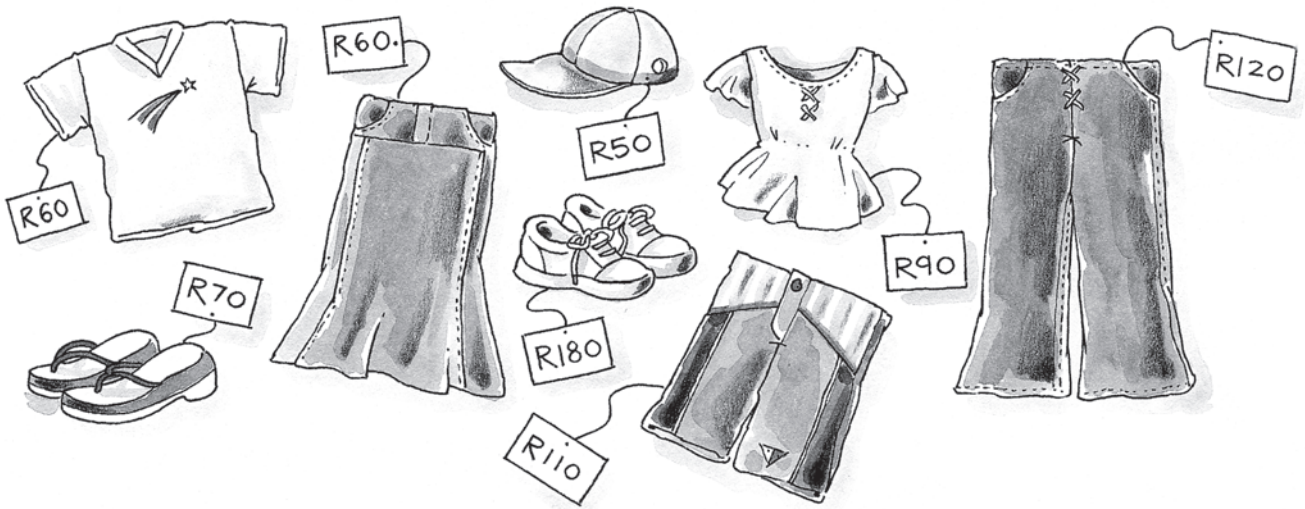
5. You may buy any 2 items from the shop.
 - a. What will you buy? _____
 - b. How much will they cost? _____

I like shopping.

I do not like shopping. (✓)

Worksheet 15: Buying new clothes

Sarah's aunt has R500 to spend and she takes Sarah shopping. These clothes are available in Sarah's size.



1. Sarah buys: 1 pair of takkies, 1 pair of jeans, 1 skirt, 1 cap.
 - a. How much do the clothes cost? _____
 - b. How much change do they get from R500? _____
2. You have R500 to spend on clothes for Sarah.
 - a. What will you choose for her? _____

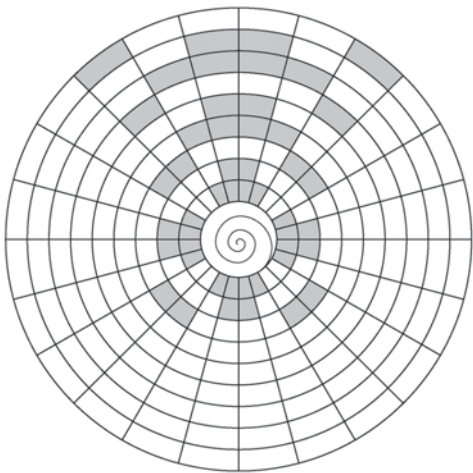
 - b. How much will the clothes cost? _____
 - c. What change will you receive? _____
3. Sarah may spend R1 000 on clothes. What can she buy?

I found this easy or hard . (✓)

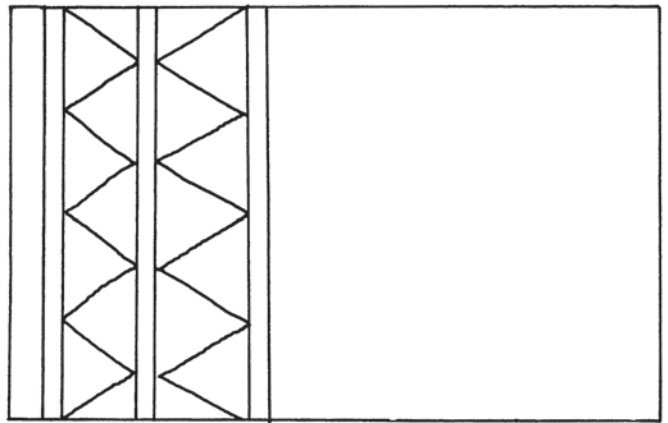
Worksheet 16: Patterns around the world

1. Complete these patterns. Colour them in.

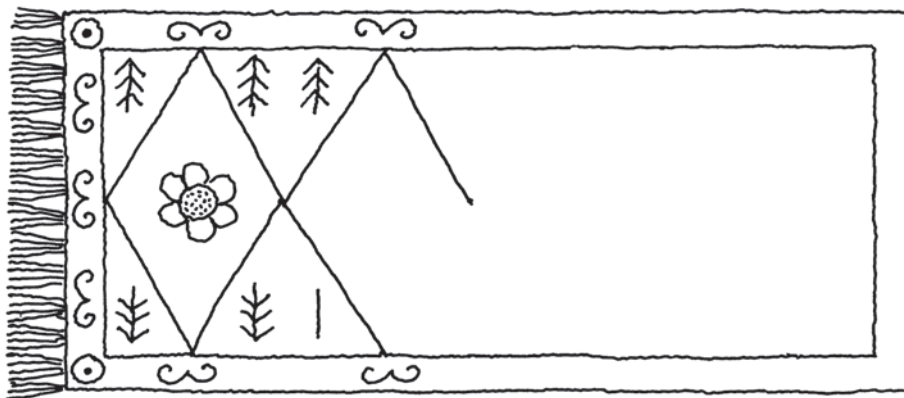
Zulu grass mat



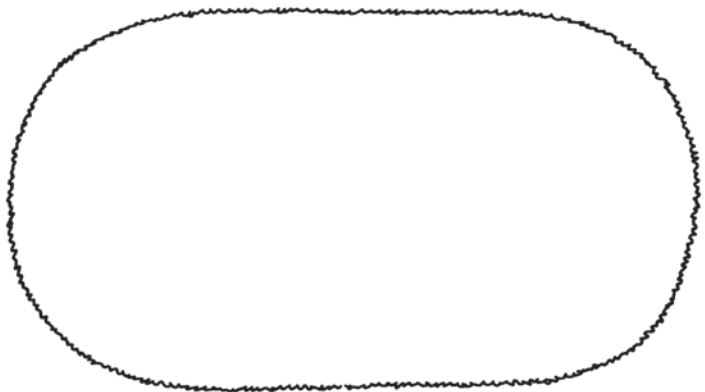
Kikuyu wall mat



Egyptian floor mat



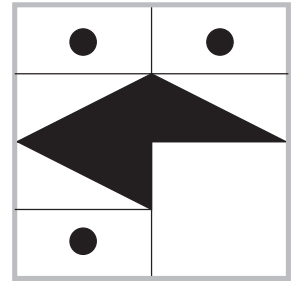
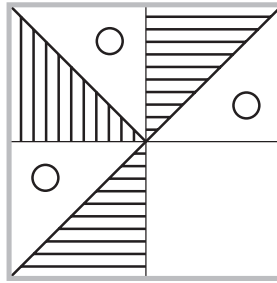
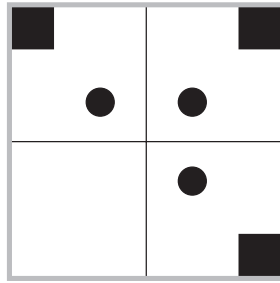
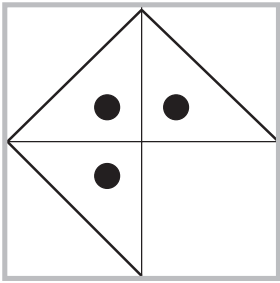
2. Design your own mat. Colour it in.



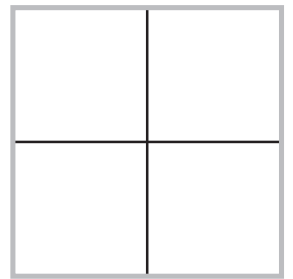
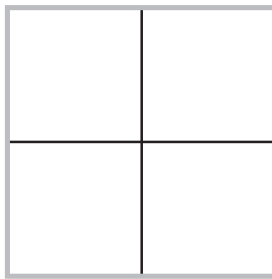
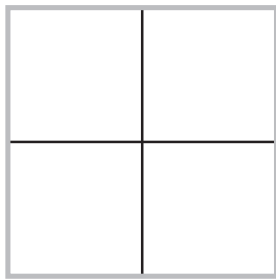
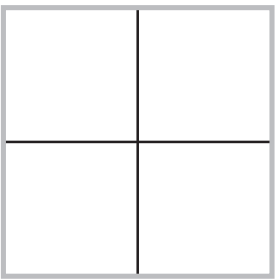
This activity was 😊 😞 . Why? _____

Worksheet 17: Bead patterns

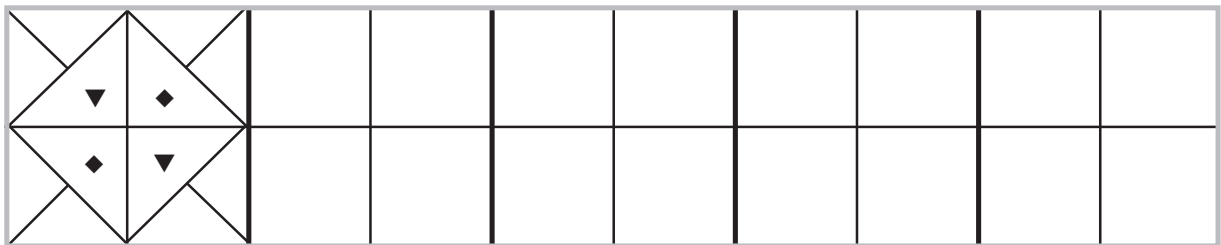
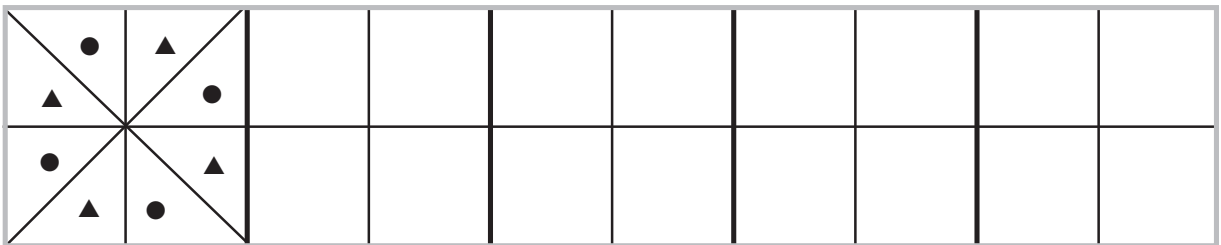
1. a. Complete these patterns.



b. Make your own patterns.



2. Copy and extend these patterns. Colour them in: ● = yellow, ▲ = red, ▼ = blue and ◆ = pink.

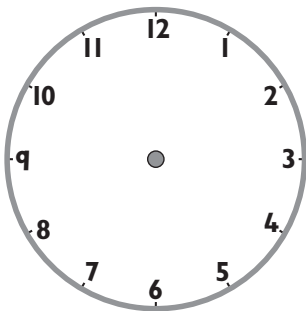


This activity was 😊 😞 . Why? _____

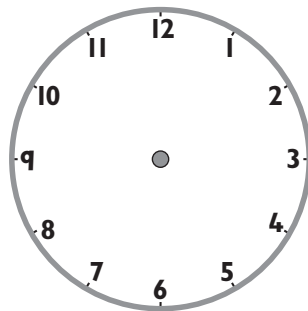
Worksheet 18: Time

Departures	
JOHANNESBURG	8h00
DURBAN	8h25
MASERU	8h50
WINDHOEK	9h15
RIO DE JANEIRO	16h05
LONDON	19h30
SINGAPORE	21h00

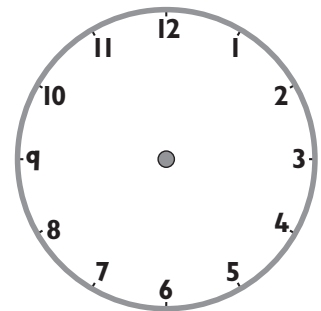
1. What time is it at the airport? _____
2. How many flights have already left? _____
3. How many minutes before the flight to Windhoek leaves? _____
4. Mr Ramaroko arrived at 9h00 to go to Durban. He missed his flight by _____ minutes.
5. Show the correct departure times to these destinations.



Rio de Janeiro



London









Singapore

I found this easy or hard . (✓)

Worksheet 19: Measure liquids

Water is scarce in our country, so we should try our best to save it. The table below shows how much water we use in our homes.

 1 bath	80 litres
 1 shower	30 litres
Flushing the toilet (once)	10 litres
 Brushing teeth and washing hands (1 week)	28 litres
Washing clothes in machine (once)	30 litres
 Cooking and drinking (1 week)	21 litres
 Washing the dishes (1 week)	35 litres
	

1. If each person uses clean water for bathing, how much will a family of 4 use in 1 day? _____
2. If the family showers instead, how much water will they use in 1 day? _____
3. Which saves more water: bathing or showering? _____
Why? _____
4. How much water is used for:
 - a. brushing teeth and washing hands in 1 day? _____
 - b. washing dishes in 1 day? _____
 - c. cooking and drinking in 1 month? _____
5. Estimate how often your family uses the toilet in 1 day. How much water would they use to flush the toilet in 1 week?

I found this activity easy or hard . (✓)

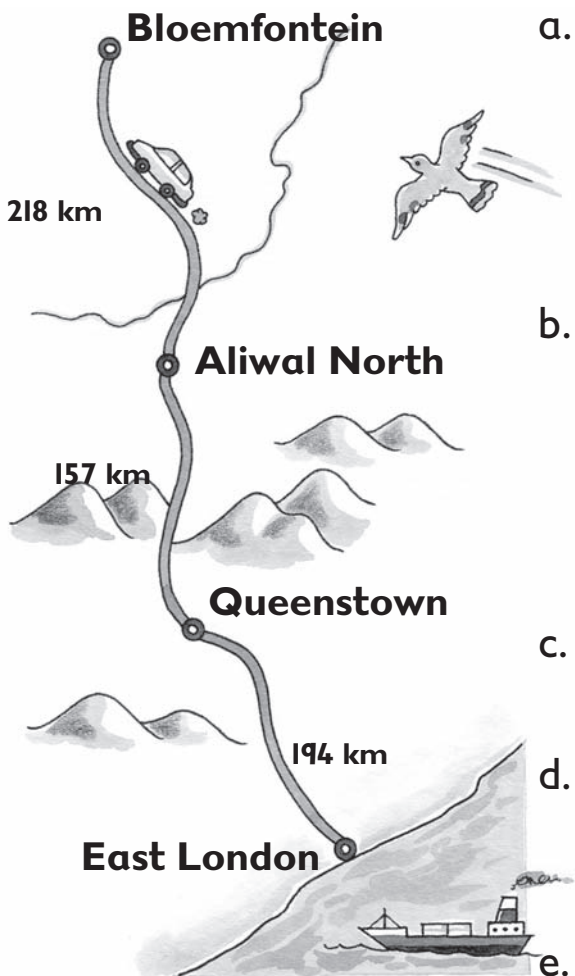
Worksheet 20: Distances

Siphiwe plans to drive his car from East London to Bloemfontein. The speedometer in his car is showing 222 km.



1. Write down the value of:
 - a. the first 2 _____
 - b. the second 2 _____
 - c. the third 2 _____

2. Look at the map and answer the questions.



- a. Siphiwe travels from East London to Queenstown. What is the reading on the speedometer now?

- b. Siphiwe travels from Queenstown to Aliwal North. What is the reading on the speedometer now?

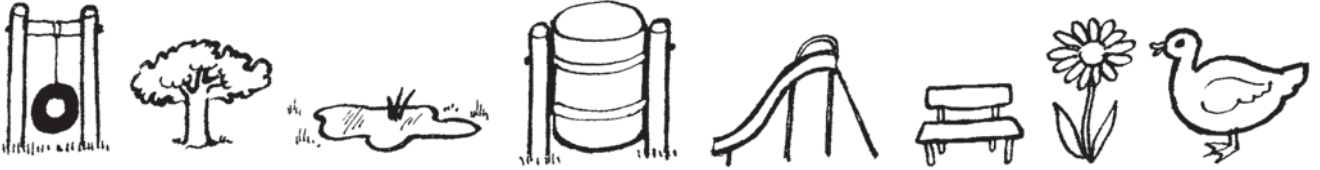
- c. How far is it from East London to Aliwal North? _____
- d. What is the speedometer reading when he reaches Bloemfontein?

- e. How far is Bloemfontein from East London? _____

This activity was 😊 😞 . Why? _____

Worksheet 2I: Place values

Our village has been given space for a park. We must make sure it is safe, clean and beautiful. Follow the instructions.



Our park is named: _____



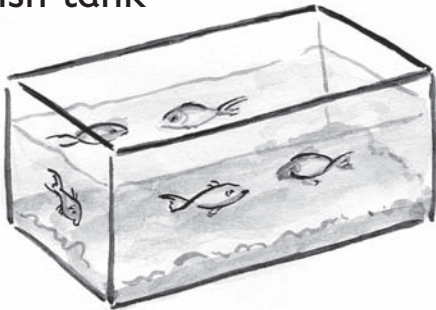
1. Draw a pond with 3 ducks in the middle, and a tree to the right of it.
2. Draw 2 trees and some flowers in the bottom left corner.
3. Draw 2 benches to the left of the pond and a bin next to each.
4. Draw some swings in the bottom right corner of the park.
5. Draw a slide in the top right corner of the park.
6. Name the park in the space above.

This activity was 😊 😞 . Why? _____

Worksheet 22: Different views

Look at the pictures. What are the shapes from different views?

1. fish tank



View from above

Picture 1 _____

Picture 2 _____

Picture 3 _____

Picture 4 _____

2. glass of water



View from below

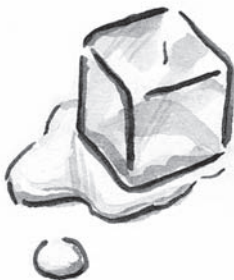
Picture 1 _____

Picture 2 _____

Picture 3 _____

Picture 4 _____

3. ice cube



View from the side

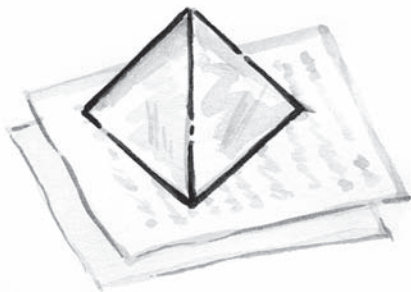
Picture 1 _____

Picture 2 _____

Picture 3 _____

Picture 4 _____

4. pyramid paperweight



This activity was 😊 😞 . Why? _____



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English



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LONGMAN**