Platinum Mathematics
Grade 3

Practice Book

Name: ____________________________
Worksheet 1: 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

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.

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? __________________________

Practice Book
Worksheet 4: Big numbers

1. The computer could only print number names. Write the correct number next to each number name.
   a. Two hundred and thirty-four: ___________
   b. Five hundred and sixty-nine: ___________
   c. Eight hundred and six: _______________
   d. Seven hundred and sixty: ______________
   e. Three hundred and twenty-one: __________

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.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>3</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>9</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Biggest</td>
<td>Smallest</td>
</tr>
</tbody>
</table>

2. Round these numbers off to the nearest 10.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a. 9 → _____</td>
<td>b. 58 → _____</td>
</tr>
<tr>
<td>d. 13 → _____</td>
<td>e. 11 → _____</td>
</tr>
<tr>
<td>g. 138 → _____</td>
<td>h. 312 → _____</td>
</tr>
</tbody>
</table>

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a. 36 + 48 = _________________________</td>
<td>b. 78 + 27 = _________________________</td>
</tr>
</tbody>
</table>

I enjoyed Activity _____ the most.

Practice Book
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. (✓)

Practice Book 7
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? _______________________

 Practice Book
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.

This activity was 😊😊😊😊😊😊. Why? ____________________________________________________________________

Practice Book
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.

I found this easy or hard. (✔)

Estimate: __________

Estimate: __________

Estimate: __________

Estimate: __________

Estimate: __________

Estimate: __________

Estimate: __________

Estimate: __________

I found this easy or hard. (✔)
Worksheet 12: Number place values

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

   786
   987
   1000
   194
   582
   900
   500
   90
   6 units
   1 thousand

2. Write these numbers in expanded notation:
   a. 236 = ______ + ______ + ______
   b. 967 = ______ + ______ + ______
   c. 103 = ______ + ______ + ______
   d. 830 = ______ + ______ + ______

I enjoyed doing Activity ______ the most.
Worksheet 13: Fun with fractions

1. What fraction of the shape has been shaded?

   [Diagram of a circle with 1/3 shaded]
   [Diagram of a square with 3/4 shaded]

2. Shade these fractions in each shape.

   [Diagram with shaded parts for 1/3 and 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]. (✔)

[14] Practice Book
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. Siphiwe 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__. (✔)

Practice Book
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.

![Patterns A, B, C, D]

b. Make your own patterns.

![Blank grids for patterns]

2. Copy and extend these patterns. Colour them in: • = yellow, ▲ = red, ◀ = blue and ◇ = pink.

![Completed patterns with colors]

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. (✓)

Mathematics Gr3 Eng.indd   19
10/11/11   1:46 PM
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.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Water Used (litres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 bath</td>
<td>80</td>
</tr>
<tr>
<td>1 shower</td>
<td>30</td>
</tr>
<tr>
<td>Flushing the toilet (once)</td>
<td>10</td>
</tr>
<tr>
<td>Brushing teeth and washing hands (1 week)</td>
<td>28</td>
</tr>
<tr>
<td>Washing clothes in machine (once)</td>
<td>30</td>
</tr>
<tr>
<td>Cooking and drinking (1 week)</td>
<td>21</td>
</tr>
<tr>
<td>Washing the dishes (1 week)</td>
<td>35</td>
</tr>
</tbody>
</table>

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?

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. (✓)

Practice Book
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? ______________________

Practice Book 21
Worksheet 21: Place values

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

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.

Our park is named: _____________________________________

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? __________________________