

Mathematics

Grade 4

Week: 24 August 2020 to 28 August 2020

Dear learners

Please complete the following pages of workbook 2 for Term 3:

Topic : Number Concepts

Day	Date	Pages to complete
Monday	24 /08/2020	28,29
Tuesday	25 /08/2020	30,31
Wednesday	26 /08/2020	32,33
Thursday	27 /08/2020	34
Friday	28 /08/2020	35

Check your work with the answers provided in the memo below. Please do not print out the memo.

Thank you. Be safe. Stay Safe. Waiting to see you (Group A learners only) on the 31 August2020 and Group B learners on the 1 September 2020.

A.Dewrajh

24/08/2020

Read the comic strip.



1. Find items advertised for about R4 000. Paste a picture here.

Find pictures and paste

2. Calculate:

a. $1\ 000 + 500 + 90 + 3 = 1\ 593$

b. $2\ 000 + 300 + 40 + 1 = 2\ 341$

c. $3\ 000 + 800 + 20 + 9 = 3\ 829$

d. $4\ 000 + 90 + 3 = 4\ 093$

e. $4\ 000 + 700 = 4\ 700$

3. Calculate the following:

24/08/2020

a. $2\ 000 + 600 + 30 + 9 = 2\ 639$

d. $4\ 000 + 50 = 4\ 050$

b. $4\ 000 + 50 + 1 + 400 = 4\ 451$

e. $2\ 000 + 2 = 2\ 002$

c. $2 + 90 + 800 + 1\ 000 = 1\ 892$

4. Change the digit 5 to zero in each number. Show your operation.

a. $4\ 854 - 50 = 4\ 804$

b. $3\ 521 - 500 = 3\ 021$

c. $2\ 005 - 5 = 2\ 000$

d. $6\ 050 - 50 = 6\ 000$

e. $5\ 000 - 5\ 000 = 0$

5. Use any digits to make different 4-digit numbers smaller than 5 000 but bigger than 2 000. Say if the number is odd or even. We did the first one for you

a. $4\ 789$ odd *your numbers can be different*

b. $2\ 376$ even

c. $3\ 241$ even

d. $3\ 678$ even

e. $4\ 197$ even

6. Write your answers to question 5 from the biggest to the smallest number.

4789, 4197, 3678,

3241, 2376

Number madness

Take a newspaper. Find some 4-digit numbers that are bigger than 2 000 but smaller than 5 000. Paste them here.

Paste 4 digit numbers from the newspaper.



25/08/2020

Which would be easier to say?

I bought a TV for ~~£2 050~~ or £2 000.I ran ~~1 989 m~~ or 2 000 m.987 or 1 000 people attended a concert.

1. Between what two thousands are:

- | | | | | | |
|----------|--------------|--------------|----------|--------------|---------------|
| a. 1 234 | <u>1 000</u> | <u>2 000</u> | b. 3 890 | <u>3 000</u> | <u>4 000</u> |
| c. 2 478 | <u>2 000</u> | <u>3 000</u> | d. 8 932 | <u>8 000</u> | <u>9 000</u> |
| e. 4 329 | <u>4 000</u> | <u>5 000</u> | f. 9 323 | <u>9 000</u> | <u>10 000</u> |
| g. 6 173 | <u>6 000</u> | <u>7 000</u> | h. 5 984 | <u>5 000</u> | <u>6 000</u> |
| i. 7 394 | <u>7 000</u> | <u>8 000</u> | | | |

2. Give any number between. *Your numbers can be different.*

- | | | | |
|----------------------------------|--------------|----------------------------------|--------------|
| a. <u>2 000</u> and <u>3 000</u> | <u>2 193</u> | b. <u>4 000</u> and <u>5 000</u> | <u>4 821</u> |
| c. <u>3 000</u> and <u>4 000</u> | <u>3 672</u> | d. <u>8 000</u> and <u>9 000</u> | <u>8 730</u> |
| e. <u>1 000</u> and <u>2 000</u> | <u>1 976</u> | f. <u>5 000</u> and <u>6 000</u> | <u>5 001</u> |
| g. <u>6 000</u> and <u>7 000</u> | <u>6 794</u> | h. <u>7 000</u> and <u>8 000</u> | <u>7 067</u> |

3. Go back to the numbers you wrote in question 2. Underline the number that is closest to your answer.

Example:

2 000 and 3 0002 387

25/08/2020

4. Round off to the nearest 1 000. Circle the number which you look at when deciding whether to round up or down to the nearest 1 000. Complete the sentences.

- a. 2 000 is between 2 000 and 3 000 and would be rounded to 2 000
- b. 3 000 is between 3 000 and 4 000 and would be rounded to 3 000
- c. 1 000 is between 1 000 and 2 000 and would be rounded to 2 000
- d. 4 000 is between 4 000 and 5 000 and would be rounded to 5 000

5. Round off to the nearest 1 000. Circle the number which you look at when deciding whether to round up or down to the nearest 1 000. Complete the sentences.

- a. 2 050 is between 2 000 and 3 000 and would be rounded to 2 000
- b. 4 090 is between 4 000 and 5 000 and would be rounded to 4 000
- c. 3 080 is between 3 000 and 4 000 and would be rounded to 4 000
- d. 1 050 is between 1 000 and 2 000 and would be rounded to 1 000

6. Round off to the nearest 1 000. Circle the number which you look at when deciding whether to round up or down to the nearest 1 000. Complete the sentences.

- a. 3 012 is between 3 000 and 4 000 and would be rounded to 3 000
- b. 2 023 is between 2 000 and 3 000 and would be rounded to 3 000
- c. 4 099 is between 4 000 and 5 000 and would be rounded to 4 000
- d. 1 007 is between 1 000 and 2 000 and would be rounded to 2 000



Maths artist

You want to explain to your friend, who was absent from school, what rounding off means. Make a drawing.

Addition and subtraction up to 4-digit numbers; breaking down numbers

26/08/2020

How fast can you calculate the following?

$7\,000 + 300 + 40 + 6 = 7\,346$

$9\,000 + 80 + 2 = 9\,082$

$4\,000 + 90 + 3 = 4\,093$

$5\,000 + 4 = 5\,004$

$8\,000 + 100 + 7 = 8\,107$

$6\,000 + 200 + 80 + 5 = 6\,285$

1. Write the following in expanded notation.

a. 1 256 $1\,000 + 200 + 50 + 6$

b. 8 105 $8\,000 + 100 + 5$

c. 5 085 $5\,000 + 80 + 5$

d. 9 450 $9\,000 + 400 + 50$

e. 6 001 $6\,000 + 1$

f. 8 020 $8\,000 + 20$

2. Calculate the following.

a. $5 + 7 = 12$

b. $50 + 70 = 120$

c. $500 + 700 = 1\,200$

d. $4 + 9 = 13$

e. $40 + 90 = 130$

f. $400 + 900 = 1\,300$

g. $6 + 7 = 13$

h. $60 + 70 = 130$

i. $600 + 700 = 1\,300$

3. Calculate the following.

a. $9 - 4 = 5$

b. $90 - 40 = 50$

c. $900 - 400 = 500$

d. $5 - 2 = 3$

e. $50 - 20 = 30$

f. $500 - 200 = 300$

g. $7 - 3 = 4$

h. $70 - 30 = 40$

i. $700 - 300 = 400$

26/08/2020

4. Calculate the following. We did the first one for you.

Use extra paper if you need to.

a. $4\,898 + 3\,141 =$

$$\begin{aligned} &4\,000 + 800 + 90 + 8 + 3\,000 + 100 + 40 + 1 \\ &= 4\,000 + 3\,000 + 800 + 100 + 90 + 40 + 8 + 1 \\ &= 7\,000 + 900 + 130 + 9 \\ &= 7\,000 + 900 + 100 + 30 + 9 \\ &= 7\,000 + 1\,000 + 30 + 9 \\ &= 8\,000 + 30 + 9 \\ &= 8\,039 \end{aligned}$$

b. $6\,967 + 2\,052 =$

$$\begin{aligned} &(6\,000 + 2\,000) + (900 + 100) + (60 + 50) + (7 + 2) \\ &= 8\,000 + 900 + 110 + 9 \\ &= 8\,000 + (900 + 100) + 10 + 9 \\ &= (8\,000 + 1\,000) + 10 + 9 \\ &= 9\,000 + 10 + 9 \\ &= 9\,019 \end{aligned}$$

c. $6\,442 + 1\,394 =$

$$\begin{aligned} &6\,000 + 1\,000 \\ &400 + 300 \\ &40 + 90 \\ &2 + 4 \\ &= 7\,000 + 700 + 130 + 6 \\ &= 7\,000 + 800 + 30 + 6 \\ &= 7\,836 \end{aligned}$$

d. $3\,467 + 4\,292 =$

$$\begin{aligned} &3\,000 + 4\,000 \\ &400 + 200 \\ &60 + 90 \\ &7 + 2 \\ &= 7\,000 + 600 + 150 + 9 \\ &= 7\,000 + 700 + 50 + 9 \\ &= 7\,759 \end{aligned}$$

e. $8\,578 + 1\,262 =$

$$\begin{aligned} &8\,000 + 1\,000 \\ &500 + 200 \\ &70 + 60 \\ &8 + 2 \\ &= 9\,000 + 700 + 130 + 10 \\ &= 9\,000 + 800 + 40 \\ &= 9\,840 \end{aligned}$$

f. $8\,258 + 1\,869 =$

$$\begin{aligned} &8\,000 + 1\,000 \\ &200 + 800 \\ &50 + 60 \\ &8 + 9 \\ &= 9\,000 + 1\,000 + 110 + 17 \\ &= 10\,000 + 100 + 20 + 7 \\ &= 10\,127 \end{aligned}$$

Addition and subtraction up to 4-digit numbers; breaking down numbers

continued 27/08/2020

5. Calculate the following. We did the first one for you.

a. $8\ 445 - 4\ 372 =$

$$\begin{aligned} & (8\ 000 + 400 + 40 + 5) - (4\ 000 + 300 + 70 + 2) \\ & = (8\ 000 - 4\ 000) + (400 - 300) + (40 - 70) + (5 - 2) \\ & = 4\ 000 + 100 + (40 - 70) + 3 \\ & = 4\ 000 + (140 - 70) + 3 \\ & = 4\ 000 + 70 + 3 \\ & = 4\ 073 \end{aligned}$$

b. $4\ 624 - 1\ 482 =$

$$\begin{aligned} & 4\ 000 - 1\ 000 = 3\ 000 \\ & 600 - 400 = 200 \\ & 20 - 80 = 40 \\ & 4 - 2 = 2 \\ & 3\ 000 + 200 + 40 + 2 = 3\ 242 \end{aligned}$$

c. $8\ 546 - 5\ 283 =$

$$\begin{aligned} & 8\ 000 + 500 + 40 + 6 \\ & - 5\ 000 + 200 + 80 + 3 \\ & \hline & 3\ 000 + 200 + 60 + 3 \\ & = 3\ 263 \end{aligned}$$

d. $5\ 348 - 2\ 195 =$

$$\begin{aligned} & 5\ 000 + 300 + 40 + 8 \\ & - 2\ 000 + 100 + 90 + 5 \\ & \hline & 3\ 000 + 200 + 50 + 3 \\ & = 2\ 753 \end{aligned}$$

e. $9\ 434 - 6\ 591 =$

$$\begin{aligned} & 9\ 000 + 400 + 30 + 4 \\ & - 6\ 000 + 500 + 90 + 1 \\ & \hline & 3\ 000 + 800 + 40 + 3 \\ & = 2\ 843 \end{aligned}$$

f. $3\ 358 - 1\ 477 =$

$$\begin{aligned} & 3\ 000 + 300 + 50 + 8 \\ & - 1\ 000 + 400 + 70 + 7 \\ & \hline & 2\ 000 + 800 + 80 + 1 \\ & = 1\ 881 \end{aligned}$$

6. Solve the problems by identifying the questions, the numbers and the operations (addition or subtraction); then make a drawing if necessary and write down a number sentence. Use an extra sheet of paper if needed.

a. My father bought a television set for R4 550. My mother bought a television stand for R3 250. How much did they pay altogether? **+ Add**

$$\begin{aligned} & R\ 4\ 550 + R\ 3\ 250 \\ & R\ 4\ 550 \\ & + R\ 3\ 250 \\ & \hline & R\ 7\ 800 \end{aligned}$$

They paid R7 800 altogether.

28/08/2020

b. My uncle travelled 3 520 km through Africa on a safari. His friend travelled 5 659 km on his safari. How much farther did my uncle's friend travel?

- Subtract $5\ 659\text{ km} - 3\ 520\text{ km} = \square$

$$\begin{aligned} & 5\ 659\text{ km} \\ & - 3\ 520\text{ km} \\ & \hline & 2\ 139\text{ km} \end{aligned}$$

My uncle's friend travelled 2 139 km farther.

c. The tank holds 4 500 litres of water. The community used 1 950 litres. How much water is left?

- Subtraction $4\ 500\text{ l} - 1\ 950\text{ l} = \square$

$$\begin{aligned} & 3\ 4\ 500\text{ l} \\ & - 1\ 950\text{ l} \\ & \hline & 2\ 550\text{ l} \end{aligned}$$

There is 2 550 l of water left.

d. My mother used 1 550 grams of flour for all the cup-cakes she baked. My sister used 1 800 grams of flour for all the muffins she made. How much flour did they use together?

+ Addition

$$\begin{aligned} & 1\ 550\text{ g} + 1\ 800\text{ g} = \square \\ & + 1\ 550\text{ g} \\ & + 1\ 800\text{ g} \\ & \hline & 3\ 350\text{ g} \end{aligned}$$

They used 3 350 g of flour altogether.

3 350 g = 3 kg 350 g