

WISKUNDE

GRAAD 4

KWARTAAL 2

DATUM:

1. ONDERWERP: OPTELLING EN AFTREKKING 1 Week Covid19 Plan

2. KONSEPTE & VAARDIGHEDE WAT BEREIK MOET WORD:

Aan die einde van die week moet leerders by magte wees en weet om:

- Optelling: Die afbreekmetode gebruik om op te tel
- Afrekkings: Gebruik die afbreekmetode om aftrekking te doen
- Los op verskillende tipe woord probleme Solving different types of words problems
- Verken verskillende bewerkingsstrategiee Explore different calculation strategies.

3. HULPBRONNE:	Sasol-Inzalo kwartaal 2 boek, Handboeke (vir verdere oefening)
4. Ikoon   	Dui aan notas vir onderwyser, ouers en/of leerders Ikoon vir onderwysers Ikoon vir ouers Ikoon vir leerders

1. (Dag 1: +/-10 mins): INLEIDING

Begin klas met die volgende vrae:



- Verfris jou geheue (Verbaal – kan jy hierdie getalle uitbrei?)

- a. $1\ 647 =$ _____
- b. $2\ 370 =$ _____
- c. $7\ 564 =$ _____
- d. $4\ 976 =$ _____

- Probeer hierdie hoofrekening bewerkings:

- e. $4\ 000 + 6\ 000 =$ _____
- f. $6\ 800 + 3\ 200 =$ _____
- g. $5\ 300 + 4\ 700 =$ _____
- h. $10\ 000 - 4\ 000 =$ _____
- i. $7\ 500 - 3\ 500 =$ _____
- j. $8\ 365 - 5\ 000 =$ _____
- k. $4\ 287 +$ _____ $= 4\ 300$
- l. $3\ 063 +$ _____ $= 6\ 000$
- m. $624 +$ _____ $= 8\ 000$



Gebruik die volgende voorbeeld om die konsep van optelling deur gebruik te maak van die Opbreekmetode te verduidelik. Opbreek van een getal.

Een manier om $3\ 785 + 4\ 667$ te bereken is om $4\ 667$ op te breek in plekwaarde dele en dan hulle een vir een by $3\ 785$ te tel

$$\begin{aligned}4\ 667 &= 4\ 000 + 600 + 60 + 7 \\3\ 785 + 4\ 000 &= 7\ 785 \\7\ 785 + 600 &= 8\ 385 \\8\ 385 + 60 &= 8\ 445 \\8\ 445 + 7 &= 8\ 452\end{aligned}$$

Die Kleiner dele kan eers opgetel word as jy dit so verkies:

$$\begin{aligned}3\ 785 + 7 &= 3\ 792 \\3\ 792 + 60 &= 3\ 852 \\3\ 852 + 600 &= 4\ 452 \\4\ 452 + 4\ 000 &= 8\ 452\end{aligned}$$

2. Kom ondersoek:

(a) . Sal ons dieselfde antwoord kry as ons met $4\ 667$ begin?

$$3\ 000 + 700 + 80 + 5$$

$$4\ 667 + 3\ 000 =$$

$$7\ 667 + 700 =$$

$$8\ 367 + 80 =$$

$$8\ 447 + 5 =$$

3. Bereken:

(a) $1\,212 + 8\,688$

(b) $5\,421 + 3\,399$

(c) $5\,583 + 3\,489$

(d) $7\,354 + 1\,687$

(e) $\square - 4\,675 = 4\,588$

(f) $\square 789 = 2\,334$

VASLEGGING/SAMEVATTING & TUISWERK

(Dag 2 -Aktiwiteit 2 +/- 40min): Optelling: Opbreek van beide getalle



Om $3\,465 + 4\,574$ te bereken, kan jy *albei* getalle afbreek. Werk met dele van dieselfde soort en bou dan weer die antwoord op.

Breek af:

$$\begin{aligned} 3\,465 &= 3\,000 + 400 + 60 + 5 \\ 4\,574 &= 4\,000 + 500 + 70 + 4 \end{aligned}$$

Werk met die dele:

$$\begin{aligned} 3\,000 + 4\,000 &= 7\,000 \\ 400 + 500 &= 900 \\ 60 + 70 &= 130 \\ 5 + 4 &= 9 \end{aligned}$$

Bou die antwoord op:

$$\begin{aligned} &3\,465 + 4\,574 \\ &= 7\,000 + 900 + 130 + 9 \\ &\quad \text{Skuif 100 van 130 na 900} \\ &= 7\,000 + 1\,000 + 30 + 9 \\ &\quad \text{Skuif 1\,000 na 7\,000} \\ &= 8\,000 + 0 + 30 + 9 \\ &= 8\,039 \end{aligned}$$

As jy die getalle in uitgebreide notasie onder mekaar skryf, is dit makliker om te sien watter dele bymekaar hoort.

As $3\,465 + 4\,574$ bereken word, dink jy dit sal saak maak watter van 4 000, 500, 70, en 4 eerste by 3 465 getel word en watter deel word volgende by getel?

Voltooi hierdie bewerkings om jou antwoorde na te gaan:

(a) $3\,465 + 4 \rightarrow \dots + 70 \rightarrow \dots + 500 \rightarrow \dots + 4\,000 = \dots$

(b) $3\,465 + 70 \rightarrow \dots + 4 \rightarrow \dots + 4\,000 \rightarrow \dots + 500 = \dots$

(c) $3\,465 + 500 \rightarrow \dots + 4\,000 \rightarrow \dots + 4 \rightarrow \dots + 70 = \dots$

Bereken die volgende deur al die getalle op te breek:

(a) $4\,478 + 3\,827$

(b) $6\,289 + 1\,877$

(c) $866 + 967 + 678$

(d) $1\,287 + 991 + 658 + 786$

(Dag 3: +/- 10 mins): INLEIDING: AFTREKKING

Vul in die ontbrekende antwoorde. Verduidelik hoe jy by jou antwoord gekom het.

- a) $90 + \dots = 100$
- b) $85 + \dots = 100$
- c) $78 + \dots = 200$
- d) $325 + \dots = 350$
- e) $312 + \dots = 400$
- f) $350 + \dots = 525$

(Dag 3: Aktiwiteit 2 +/- 30 – 40 mins). Aftrekking: Deur gebruik te maak van die opbreekmetode.

1.



Om $6\,878 - 4\,465$ te bereken, kan jy *albei* getalle afbreek. Werk dan met dieselfde soort dele en bou weer die antwoord op.

Breek af:

$$6\,878 = 6\,000 + 800 + 70 + 8$$

$$4\,465 = 4\,000 + 400 + 60 + 5$$

Werk met die dele:

$$6\,000 - 4\,000 = 2\,000$$

$$800 - 400 = 400$$

$$70 - 60 = 10$$

$$8 - 5 = 3$$

Bou die antwoord op:

$$6\,878 - 4\,465 = 2\,000 + 400 + 10 + 3 = 2\,413$$

Jy kan ook hakies gebruik om te wys wat hier bo gedoen is:

$$\begin{aligned} 6\,878 - 4\,465 &= (6\,000 + 800 + 70 + 8) - (4\,000 + 400 + 60 + 5) \\ &= (6\,000 - 4\,000) + (800 - 400) + (70 - 60) + (8 - 5) \\ &= 2\,000 + 400 + 10 + 3 \\ &= 2\,413 \end{aligned}$$

**2. Bereken die volgende. Breek albei getalle af in hulle plekwaardedele.
Werk met die dele en bou dan die antwoorde op.**

(a) $7\,698 - 2\,354$

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(b) $6\,567 - 4\,143$

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(c) $6\,559 - 3\,325$

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(d) $6\,552 - 3\,325$

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2. Ben het R4 325. Hy moet R2 768 vir sy huishuur betaal. Hoeveel geld sal hy oor het?

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3. Mnr. Cele besit twee plase. Hy noem hulle Plaas A en Plaas B.

Hy het 2 347 bokke op Plaas A. Daar is altesaam 5 479 bokke op die twee plase.

(a) Hoeveel bokke is daar op Plaas B?

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(b) Mnr. Cele neem 1 234 bokke vanaf Plaas A na Plaas B. Hoeveel bokke bly op Plaas A agter?

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4. VASLEGGING / SAMEVATTING & TUISWERK (Dag 2)

- a. Tebogo het ook R3 787 in haar beursie. Sy betaal R2 545 vir `n wasmasjien.
Hoeveel geld het sy oor?
- b. Sarah het R4 958. Sy koop `n yskas vir R2 336. Hoeveel geld het sy oor?

1. (Dag 5: +/-10 mins): INLEIDING

Vervang die volgende woorde met getalsinne:

- a) **Tel op** 5 000 **en** 900.
- b) **Neem** 500 **van** 8 000
.....
- c) **Vermeerder** 360 **met** 2 100
.....
- d) **Verminder** 2 700 **met** 700.
.....

Bereken die antwoorde vir die bogaande stellings hier:

- a)
.....
- b)
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- c)
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- d)
.....

(Dag 5: Aktiwiteit 2 +/- 30 – 40 mins). Probleemoplossing – Gemengde aktiwiteite

- Lees die problem om dit te verstaan deur die sleutelwoorde te onderstreep
- Lei die plan af deur die akkurate getalsin neer te skryf.
- Voer uit die plan en gebruik enige metode om die problem op te los.
- Reflekteer deur na te gaan of die oplossings korrek was of nie (inverse bewerking kan gebruik word)

1. Tussen 10-uur en 11-uur het 2 176 mense by 'n stadion opgedaag. Teen 11-uur was daar 6 573 mense in die stadion.

Hoeveel mense was reeds om 10-uur daar?

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2. Daar is 4 788 graad 4-leerders in Skooldistrik A en 3 866 in Skooldistrik B.

(a) Hoeveel meer graad 4-leerders is daar in Distrik A as in Distrik B?

(b) Hoeveel graad 4-leerders is daar in die twee distrikte saam?

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3. Op vyf agtereenvolgende dae het 'n supermark 657, 358, 724, 547 en 622 hoenders verkoop. Hoeveel hoenders was altesaam verkoop?

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4. 'n Kontrakteur moet 8 276 spoeltoilette in 'n woonbuurt insit. Hy het reeds 5 377 ingesit. Hoeveel moet hy nog insit?

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5. 'n Lugredery vra R4 480 vir 'n retoerkaartjie van Johannesburg na Nairobi. Daar moet verder R3 448 bykomende bedrae en belasting betaal word. Wat is die totale koste van die vliegtuigkaartjie?

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6. Lerato het 5 683m geloop. In dieselfde tydsduur; het Sipho 7 349m geloop. Hoeveel verder as Lerato het Sipho geloop?

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7. CONSOLIDATION / CONCLUSION & HOMEWORK (Day 5)

- a. Selina gebruik 3 524 liters water van 'n tenk om haar klein mielieveld te water. As daar 4 852 liter oor in die tenk is, hoeveel water was in die tenk?
- b. 'n Winkel het 8 563 pakkies skyfies gedurende die maand verkoop. Van hierdie, was 2 047 pakkies gedurende die laaste week verkoop. Hoeveel pakkies was gedurende die eerste 3 weke verkoop?
- c. William moet 8 675 bakstene lê. Hy het 2 357 gelê. Hoeveel bakstene moet hy nog lê?

MATHEMATICS

GRADE 4

TERM 2 - Memorandum

TOPIC: ADDITION AND SUBTRATION 1 Week Covid19 Plan

1. (Day 1: +/-10 mins): INTRODUCTION

Start class with the following questions:

- Refresh your memory (verbally – can expand these numbers:

f. $1\ 647 = 1\ 000 + 600 + 40 + 7$

g. $2\ 370 = 2\ 000 + 300 + 70$

h. $7\ 564 = 7\ 000 + 500 + 60 + 4$

i. $4\ 976 = 4\ 000 + 900 + 70 + 6$

j. $4\ 000 + 6\ 000 = 10\ 000$

b. $6\ 800 + 3\ 200 = 10\ 000$

c. $5\ 300 + 4\ 700 = 10\ 000$

d. $10\ 000 - 4\ 000 = 6\ 000$

$$e. 7\,500 - 3\,500 = 4\,000$$

$$g. 4\,287 + 13 = 4\,300$$

$$i. 624 + 8\,624 = 8\,000$$

$$f. 8\,365 - 5\,000 = 3\,365$$

$$h. 3\,063 + 2\,937 = 6\,000$$

2. Let's investigate

(b) . Will we get the same answer if start with 4667?

$$3\,000 + 700 + 80 + 5$$

$$4\,667 + 3\,000 = 7\,667$$

$$7\,667 + 700 = 8\,367$$

$$8\,367 + 80 = 8\,447$$

$$8\,447 + 5 = 8\,452$$

3. Calculate:

(a) $1\,212 + 8\,686$

$$8\,000 + 600 + 80 + 8$$

$$1212 + 8\,000 = 9\,212$$

$$9\,212 + 600 = 9\,812$$

$$9\,812 + 80 = 9\,892$$

$$9\,892 + 6 = 9\,898$$

(b) $5\,421 + 3\,399$

$$3\,000 + 300 + 90 = 9$$

$$5\,421 + 3\,000 = 8\,421$$

$$8\,421 + 300 = 8\,721$$

$$8\,721 + 90 = 8\,811$$

$$8\,811 + 9 = 8\,820$$

(c) $5\,583 + 3\,489$

$$3\,000 + 400 + 80 + 9$$

$$5\,583 + 3\,000 = 8\,583$$

$$8\,583 + 400 = 8\,983$$

$$8\,983 + 80 = 9\,063$$

$$9\,063 + 9 = 9\,072$$

(d) $7\,354 + 1\,687$

$$1\,000 + 600 + 80 = 7$$

$$7\,354 + 1\,000 = 8\,354$$

$$8\,354 + 600 = 8\,954$$

$$8\,954 + 80 = 9\,034$$

$$9\,034 + 7 = 9\,041$$

(e) $\square - 4\,675 = 4\,588$

$$4\,588 + 4\,675$$

$$4\,000 + 600 + 70 + 5$$

$$4\,588 + 4\,000 = 8\,588$$

$$8\,588 + 600 = 9\,188$$

$$9\,188 + 70 = 9\,258$$

$$9\,258 + 5 = 9\,263$$

(f) $\square - 4\,789 = 2\,334$

$$2\,334 + 4\,789$$

$$4\,000 + 700 + 80 + 9$$

$$2\,334 + 4\,000 = 6\,334$$

$$6\,334 + 700 = 7\,034$$

$$7\,034 + 80 = 7\,114$$

$$7\,114 + 9 = 7\,123$$

(Day 2 -Activity 2 +/- 40min): Calculating addition: Breaking up both numbers.

When $3\,465 + 4\,574$ is calculated, do you think it matters which of 4 000, 500, 70 and 4 is added to 3 465 first and which part is added next?

Complete these calculations to check your answer:

$$(a) \ 3\,465 + 4 \rightarrow 3\,469 + 70 \rightarrow 3\,539 + 500 \rightarrow 4\,039 + 4\,000 = 8\,039$$

$$(b) \ 3\,465 + 70 \rightarrow 3\,535 + 4 \rightarrow 3\,539 + 4\,000 \rightarrow 7\,539 + 500 = 8\,039$$

$$(c) \ 3\,465 + 500 \rightarrow 3\,965 + 4\,000 \rightarrow 7\,965 + 4 \rightarrow 7\,969 + 70 = 8\,039$$

Break all numbers down to calculate the following:

$$(a) \ 4\,478 + 3\,827$$

$$4\,000 + 400 + 70 + 8$$

$$3\,000 + 800 + 20 + 7$$

$$4\,000 + 3\,000 = 7\,000$$

$$400 + 800 = 1\,200$$

$$70 + 20 = 90$$

$$7 + 8 = 15$$

$$7\,000 + 1\,000 + 200 + 90 + 10 + 5$$

$$= 8\,305$$

$$(b) \ 6\,289 + 1\,877$$

$$6\,000 + 200 + 80 + 9$$

$$1\,000 + 800 + 70 + 7$$

$$6\,000 + 1\,000 = 7\,000$$

$$200 + 800 = 1\,000$$

$$80 + 70 = 150$$

$$9 + 7 = 16$$

$$7\,000 + 1\,000 + 100 + 50 + 10 + 6$$

$$= 8\,166$$

$$(c) \ 866 + 967 + 678$$

$$800 + 60 + 6$$

$$900 + 60 + 7$$

$$(d) \ 1\,287 + 991 + 658 + 786$$

$$1\,000 + 200 + 80 + 7$$

$$900 + 90 + 1$$

$$600 + 70 + 8$$

$$600 + 50 + 8$$

$$800 + 900 + 600 = 2\,300$$

$$700 + 80 + 6$$

$$60 + 60 + 70 = 190$$

$$1000$$

$$7 + 8 + 6 = 21$$

$$200 + 900 + 600 + 700 = 2\,400$$

$$2\,300 + 100 + 90 + 20 + 1 = 2\,511$$

$$80 + 90 + 50 + 80 = 300$$

$$7 + 1 + 8 + 6 = 22$$

$$1\,000 + 2000 + 400 + 300 + 20 + 2$$

$$= 3\,722$$

(Day 3: +/- 10 mins) : INTRODUCTION

- a) $90 + 10 = 100$
- b) $85 + 15 = 100$
- c) $78 + 122 = 200$
- d) $325 + 25 = 350$
- e) $312 + 88 = 400$
- f) $350 + 175 = 525$

Explain how you found the answers. Learner response may differ.

Subtraction, add on method or any other correct response may be accepted.

(Day 3: Activity 2 +/- 30 – 40 mins). Subtraction: Using the breaking up method.

1.

To calculate $6\,878 - 4\,465$ you can break *both* numbers down into place value parts, work with the parts of the same kind, and then build the answer up.

Break down:

$$6\,878 = 6\,000 + 800 + 70 + 8$$

$$4\,465 = 4\,000 + 400 + 60 + 5$$

Work with the parts:

$$6\,000 - 4\,000 = 2\,000$$

$$800 - 400 = 400$$

$$70 - 60 = 10$$

$$8 - 5 = 3$$

Build up the answer:

$$6\,878 - 4\,465 = 2\,000 + 400 + 10 + 3 = 2\,413$$

The above actions can also be described by using brackets:

$$\begin{aligned} 6\,878 - 4\,465 &= (6\,000 + 800 + 70 + 8) - (4\,000 + 400 + 60 + 5) \\ &= (6\,000 - 4\,000) + (800 - 400) + (70 - 60) + (8 - 5) \\ &= 2\,000 + 400 + 10 + 3 \\ &= 2\,413 \end{aligned}$$

2. Calculate each of the following by breaking both numbers down into place value parts, working with the parts and building the answers up.

(e) $7\,698 - 2\,354$

$$7\,698 = 7\,000 + 600 + 90 + 8$$

$$2\,354 = 2\,000 + 300 + 50 + 4$$

$$7\,000 - 2\,000 = 5\,000$$

$$600 - 300 = 300$$

$$90 - 50 = 40$$

$$8 - 4 = 4$$

$$= 5\,000 + 300 + 40 + 4$$

$$= 5\,344$$

(f) $6\,567 - 4\,143$

$$6\,567 = 6\,000 + 500 + 60 + 7$$

$$4\,143 = 4\,000 + 100 + 40 + 3$$

$$6\,000 - 4\,000 = 2\,000$$

$$500 - 100 = 400$$

$$60 - 40 = 20$$

$$7 - 3 = 4$$

$$2\,000 + 400 + 20 + 4 = 2\,424$$

(g) $6\,559 - 3\,325$

$$6\,559 = 6\,000 + 500 + 50 + 9$$

$$3\,325 = 3\,000 + 300 + 20 + 5$$

$$6\,000 - 3\,000 = 3\,000$$

$$500 - 300 = 200$$

$$50 - 20 = 30$$

$$9 - 5 = 4$$

$$3\,000 + 200 + 30 + 4 = 3\,234$$

(h) $6\ 552 - 3\ 325$

$$6\ 000 + 500 + 50 + 2$$

$$3\ 000 + 300 + 20 + 5$$

$$6\ 000 - 3\ 000 = 3\ 000$$

$$500 - 300 = 300$$

$$40 - 20 = 20$$

$$12 - 5 = 7$$

$$= 3\ 000 + 300 + 20 + 7$$

$$3\ 227$$

2. Ben has R4 325 and he pays R2 768 rent for his house.

How much money will he have left?

$$4\ 325 = 4\ 000 + 300 + 20 + 5$$

$$2\ 768 = 2\ 000 + 700 + 60 + 8$$

$$4\ 000 - 2\ 000 = 1\ 000$$

$$1\ 200 - 700 = 500$$

$$110 - 60 = 50$$

$$15 - 8 = 7$$

$$= R1\ 557$$

3. Farmer Cele has two farms. He calls them Farm A and Farm B. He has 2 347 goats on Farm A. Altogether, there are 5 479 goats on the two farms.

- (b) How many goats are there on Farm B?

$$5\ 479 - 2\ 347$$

$$5\ 478 = 5\ 000 + 400 + 70 + 9$$

$$2\ 347 = 2\ 000 + 300 + 40 + 7$$

$$5\ 000 - 2\ 000 = 3\ 000$$

$$400 - 300 = 100$$

$$70 - 40 = 30$$

$$9 - 7 = 2$$

$$= 3\ 132 \text{ goats}$$

- (c) Farmer Cele takes 1 234 goats from Farm A to Farm B.

How many goats are left on Farm A?

$$2\ 347 - 1\ 234$$

$$2\ 000 + 300 + 40 + 7$$

$$1\ 000 + 200 + 30 + 4$$

$$2\ 000 - 1\ 000 = 1\ 000$$

$$300 - 200 = 100$$

$$40 - 30 = 10$$

$$7 - 4 = 3$$

$$=1113$$

2. (Day 5: +/-10 mins): INTRODUCTION

Change the words to write number sentences for the following:

e) **Add** 5 000 **and** 900. $5\,000 + 900 = 5\,900$

f) **Take** 500 **from** 8 000 $8\,000 - 500 = 7\,500$

g) **Increase** 360 by 2 100 $2\,100 + 360 = 2\,460$

h) **Decrease** 2 700 by 700. $2\,700 - 700 = 2\,000$

(Day 5 : Activity 2 +/- 30 – 40 mins). Problem-solving Mixed activities.

- a. Between 10 o'clock and 11 o'clock 2 176 people enter a soccer stadium. At 11 o'clock there are 6 573 people in the stadium. How many people were there at 10 o'clock?

$$6\,573 - 2\,176$$

$$6\,573 = 6\,000 + 500 + 70 + 3$$

$$2\,176 = 2\,000 + 100 + 70 + 6$$

$$6\,000 - 2\,000 = 4\,000$$

$$400 - 100 = 300$$

$$160 - 70 = 90$$

$$13 - 6 = 7$$

$$= 4\,397 \text{ people}$$

- b. There are 4 788 Grade 4 learners in School District A and 3 866 learners in School District B.

(a) How many more Grade 4 learners are there in District A than in District B?

(b) How many Grade 4 learners are there in the two districts together?

$$4\,788 - 3\,866$$

$$4\,788 = 4\,000 + 700 + 80 + 8$$

$$3\,866 = 3\,000 + 800 + 60 + 6$$

$$3\,000 - 3\,000 = 0$$

$$1\,700 - 800 = 900$$

$$80 - 60 = 20$$

$$8 - 6 = 2$$

$$= 900 + 20 + 2 \text{ Learners} \quad 922 \text{ learners}$$

Number of learners in the two districts

$$4\,788 + 3\,866$$

$$4\,788 = 4\,000 + 700 + 80 + 8$$

$$3\,866 = 3\,000 + 800 + 60 + 6$$

$$4\,000 + 3\,000 = 7\,000$$

$$700 + 800 = 1\,500$$

$$80 + 60 = 140$$

$$8 + 6 = 14$$

$$= 7\,000 + 1\,500 + 140 + 14$$

$$= 8\,654 \text{ learners}$$

On five consecutive days a supermarket sold 657, 358, 724, 547 and 622 chickens.

How many chickens were sold altogether?

$$657 + 358 + 724 + 547 + 622$$

$$657 = 600 + 50 + 7$$

$$358 = 300 + 50 + 8$$

$$724 = 700 + 20 + 4$$

$$547 = 500 + 40 + 7$$

$$622 = 600 + 20 + 2$$

$$600 + 300 + 700 + 500 + 600 = 2\,700$$

$$50 + 50 + 20 + 40 + 20 = 180$$

$$7 + 8 + 4 + 7 + 2 = 28$$

$$2\,700 + 180 + 28 = 2\,908 \text{ chickens}$$

A contractor has to build 8 276 flush toilets in a township. He has completed 5 377.

How many are still outstanding?

$$8\,276 - 5\,377$$

$$8\,276 = 8\,000 + 200 + 70 + 6$$

$$5\,377 = 5\,000 + 300 + 70 + 7$$

$$8\,000 - 5\,000 = 3\,000$$

$$200 - 300 = -100$$

$$70 - 70 = 0$$

$$6 - 7 = -1$$

$$= 3\,000 + 0 + 0 + 0$$

$$= 2\,899$$

7. An airline charges a fare of R4 480 for a return flight from Johannesburg to Nairobi.

There are also additional fees and taxes of R3 448. What is the total cost of the air ticket?

$$R4\ 480 + R3\ 448$$

$$4480 = 4000 + 400 + 80$$

$$3\ 448 = 3000 + 400 + 40 + 8$$

$$4000 + 3000 = 7000$$

$$400 + 400 = 800$$

$$80 + 40 = 120$$

$$+ 8$$

$$= 7000 + 800 + 120 + 8$$

$$= R\ 7928$$

8. Lerato walked 5 683m. In the same period of time; Sipho walked 7 349m. How many m further than Lerato did Sipho walked?

$$7\ 349m - 5\ 683m$$

$$7349 = 7000 + 300 + 40 + 9$$

$$5683 = 5000 + 600 + 80 + 3$$

$$6000 - 5000 = 1000$$

$$1\ 200 - 600 = 600$$

$$140 - 80 = 60$$

$$9 - 3 = 6$$

$$= 1\ 666m$$

4. CONSOLIDATION / CONCLUSION & HOMEWORK - (Day 5)

- a. Selina uses 3 524 litres of water from a tank to water her small field of maize. If there is then 4 852 litres of water left, how much water was in the tank.

$$3\ 524 \text{ litres} + 4852$$

$$3\ 524 = 3000 + 500 + 20 + 4$$

$$4\ 852 = 4000 + 800 + 50 + 2$$

$$3\ 000 + 4\ 000 = 7\ 000$$

$$500 + 800 = 1300$$

$$20 + 50 = 70$$

$$4 + 2 = 6$$

$$= 7000 + 1\ 000 + 300 + 70 + 6$$

$$= 8\ 376 \text{ litres}$$

- b. A store sold 8 563 packets of chips during a month. Of these, 2 047 were sold during the last week. How many packets were sold during the first 3 weeks of the month?

$$8\ 563 - 2\ 047$$

$$8\ 563 = 8\ 000 + 500 + 60 + 3$$

$$2\ 047 = 2\ 000 + 0 + 40 + 7$$

$$8\ 000 - 2\ 000 = 6\ 000$$

$$500 - 0 = 500$$

$$50 - 40 = 10$$

$$13 - 7 = 6$$

$$6\,000 + 500 + 10 + 6 = 6\,516 \text{ packets of chips}$$

- a. William has to lay 8 675 bricks. He laid 2 357 bricks. How many brick must he still lay?

$$8\,675 - 2\,357$$

$$8\,675 = 8\,000 + 600 + 70 + 5$$

$$2\,357 = 2\,000 + 300 + 50 + 7$$

$$8\,000 - 200 = 6\,000$$

$$600 - 300 = 300$$

$$60 - 50 = 10$$

$$15 - 7 = 8$$

$$= 6\,318 \text{ bricks}$$