

The Living Maths Olympiad 2000

Grade: 3

It's about the stuff in maths and the maths in stuff.

PLEASE NOTE:

- Answer the questions according to the instructions on the answer sheet.
- You may use a calculator.
- We hope you enjoy it!

LET OP ASSEBLIEF:

- Beantwoord die vrae volgens die instruksies op die antwoordblad.
- Jy mag 'n sakrekenaar gebruik.
- Ons hoop jy geniet dit!

QAPHELA:

- Phendula imibuzo ngokwemigaqo ekwiphepha olinikiweyo
- Ungayisebenzisa i-Calculator
- Siyathemba uyakulonwabela!

1. Which number in place of the \square will make the following number sentence true ?

$$12 + \square = 17$$

(A) 3

(B) 5

(C) 15

(D) 9

(E) 13

2. Find the next number in the sequence below.

3; 6; 9; 12; ?

(A) 13

(B) 14

1. Watter getal in die plek van \square sal die volgende getaltesin waar maak ?

$$12 + \square = 17$$

(C) 15

(D) 9

2. Bepaal die volgende getal in die getalry.

3; 6; 9; 12; ?

(C) 15

(D) 16

1. Leliphi inani endaweni yo \square elinokwenza esi sivakalisi samanani sibe yinani ?

$$12 + \square = 17$$

(E) 13

2. Leliphi inani elilandelayo kolu luhlu ?

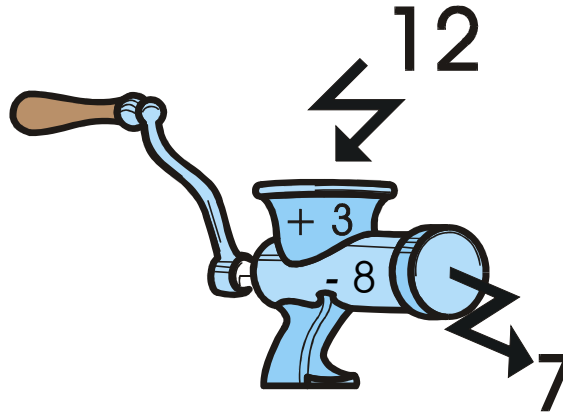
3; 6; 9; 12; ?

(E) 17

3. If the number 12 is fed into the number machine below, the output (answer) is 7. If the output is 15, what was the input ?

3. As die getal 12 in hierdie getalmasjien ingevoer word, is die uitvoergetal (antwoord) 7. As die uitvoergetal 15 is, wat was die invoertal ?

3. Ukuba u-12 ufakwe kulo-matshini, kuphuma inani elingu-7. Ukuba kuphume u-15 ngubani ebefakwe ekuqaleni ?



(A) 10

(B) 12

(C) 15

(D) 17

(E) 20

4. Hungry Hannah buys an ice cream, a doughnut and a muffin. If she pays for all three items with a R10 note, how much change does she get?

4. Honger Hannah koop 'n roomys, 'n oiliebol en 'n muffin. As sy vir al drie items met 'n R10 noot betaal, hoeveel kleingeld sal sy terug kry ?

4. U-Hannah olambileyo uttenga I-ice cream idoughnut kunye emafini. Ukuba zonte uzihlawulele nge R10, iyakuba yimalini ilshintshi yakhe ?

R1,50

R3,00

R1,25



(A) R5,75

(B) R5,25

(C) R4,25

(D) R7,75

(E) R6,25

5. Thandi is 5 years old and her brother Max is 8 years old. How old will Max be when Thandi is 10 years old?

(A) 16

(B) 18

5. Thandi is 5 jaar oud en haar broer Max is 8 jaar oud. Hoe oud sal Max wees wanneer Thandi 10 jaar oud word ?

(C) 13

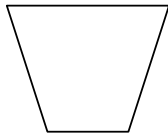
(D) 11

5. Uthandi uneminyaka emi 5 ubudala, kwaye umntakwabo uMax yena uneminyaka esi 8 ubudala. Uyakube emdala kangakanani uMax xa uThandi eyakube eneminyaka eli 10 ubudala ?

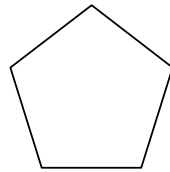
(E) 10

6. Which shape is the odd one out ?

(A)

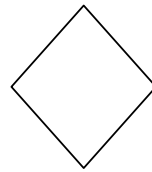


(B)

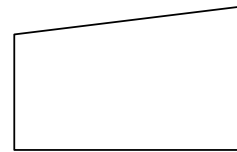


6. Watter figuur pas nie by die ander nie ?

(C)

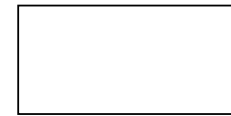


(D)



6. Ngowuphi kule mizobo ongafaniyo neminye?

(E)

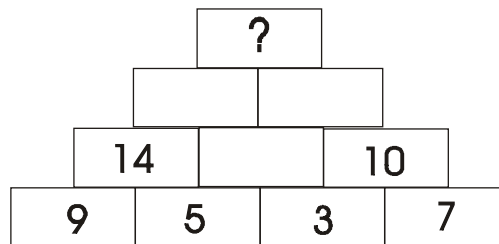


7. In the Pyramid below, each number is found by adding the two numbers below it, for example, $14 = 9 + 5$. If you fill in the missing numbers, what number will go into the top block ?

(A) 40

(B) 35

7. In die piramide hieronder, is elke getal die som van die twee getalle onder die getal, byvoorbeeld: $14 = 9 + 5$. Bepaal die boonste getal.



(C) 27

(D) 30

7. Kule Pirimidi ingezontsi, inani ngalinye lifumaneka ngokuthi kudityaniswe amanani amabini angaphantsi kwalo, umzekelo, $14 = 9 + 5$. Ukuba ugwalisa amanani angekhoyo, leliphi inani elino kuba ikweyona bloko ingaphezulu ?

(E) 50

8. What time will the clock show if you added an extra hour and fifteen minutes ?

8. Hoe laat sal die horlosie lees as een uur en vyftien minute by die tyd getel word ?

8. Ingaba le wotshi iyakubonisa eliphi ixesga ukuba kweli libonisiweyo udibanisa iyure enemizuzu elishumi elinesihlanu ?



(A) 3:25

(B) 10:17

(C) 11:17

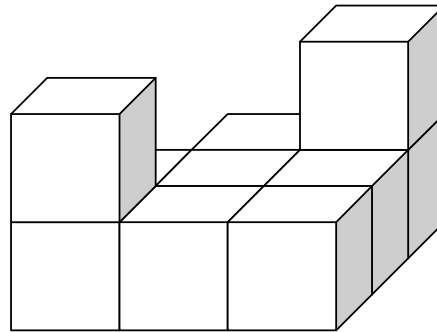
(D) 11:25

(E) 12:15

9. How many blocks were used to build this structure?

9. Hoeveel blokkies is gebruik om die muur in die skets hieronder te bou?

9. Ingaba zingaphi iibloko ezithe zasetyenziswa ?



(A) 10

(B) 9

(C) 11

(D) 16

(E) 8

10. If I have R20 and spend all but R12, how much money do I have left ?

(A) R8,00

(B) R32,00

10. As ek R20 het en alles behalwe R12 spandeer, hoeveel geld het ek oor?

(C) R16,00

(D) R20,00

10. Ukuba ndinama R20 kwaye ndichithe I-R12, ingaba yimalini imali endisa leleyo ?

(E) R12,00

11. If today is a Friday, what day will it be 28 days from today ?

(A) Tuesday
Dinsdag
U Lwe Sibini

(B) Wednesday
Woensdag
U Lwe Sitathu

11. As vandag Vrydag is, watter dag sal dit oor 28 dae wees?

(C) Thursday
Donderdag
U Lwe Sine

(D) Friday
Vrydag
U Lwe Sihlanu

11. Ukuba namhlanje kungo Lwe Sibini, inyakuba lolphi usuku lweveki emva kwentsuku ezili 28 ukusukela namhlanje ?

(E) Saturday
Saterdag
Umgqibelo

12. David's father had 3 children: Snap, Crackle and ?

(A) David

(B) Pop

12. David se Pa het 3 kinders: Snap, Crackle en ?

(C) Sammy

(D) Timmy

12. Utata ka David unabantwana aba 3: Ngu Snap, u Crackle kunye no ?

(E) Coco

13. Altogether, how many triangles are there in the figure below?

(A) 10

(B) 8

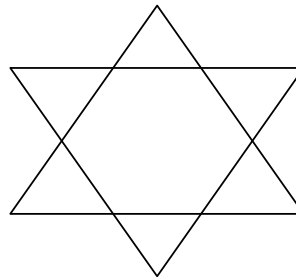
13. Hoeveel driehoeke is daar in die figuur altesaam hieronder ?

(C) 6

(D) 4

13. Bebonke bangaphi oonxantathu abakulo mzobo ungezantsi?

(E) 2



14. If nine thousand nine hundred and nine is written as 9009, how would you write twelve thousand twelve hundred and twelve?

(A) 121212

(B) 1212012

14. As nege duisend nege honderd en nege soos 9009 geskryf, hoe sal jy twaalf duisend twaalf honderd en twaalf skryf ?

(C) 13212

(D) 132012

14. Ukuba amawaka alithoba anamakhulu alithoba anesithoba abhalwa njengama 9009, ungawabhala kanjani amawaka alishumi elinambini anamakhulu alishumi elinambini aneshumi elinesibini ?

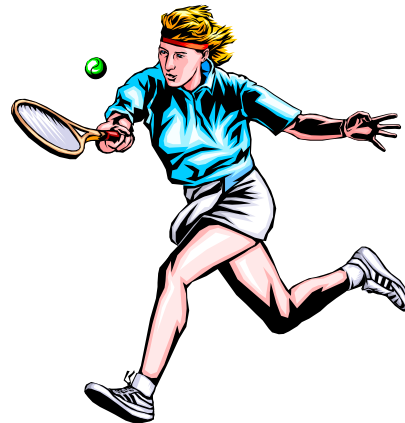
(E) 12120012

15. 16 tennis players entered a knockout competition. Losers fall out and winners play against winners until one player is left. How many singles matches are played all together?

(A) 12

(B) 14

15. 16 tennisspelers het ingeskryf vir 'n uitklopkompetisie. Verloorders val uit en wenners speel teen wenners totdat een speler oorbly. Hoeveel enkelwedstryde word altesaam gespeel?



(C) 11

(D) 15

15. Abadlali bentenetya abayi-16 bangenele ukhuphiswano, abahluliweyo bayaphuma ophumeleleyo udlala nomnye ophumeleleyo kude kushiyeke umdlali abemnye. Mingaphi imidlalo edlaliweyo iyonke ?

(E) 13