

Mathematics Challenge

GRADE 4 FINAL ROUND

8 SEPTEMBER 2010

NOTE:

- Answer the questions according to the instructions on the answer sheet.
- You may use a calculator.
- The questions test insight. Complex calculations will therefore not be necessary.
- We hope you enjoy it!

Wiskunde-uitdaging

GRAAD 4 FINALE RONDE

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LET OP:

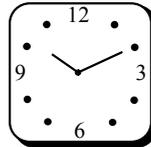
- Beantwoord die vrae volgens die instruksies op die antwoordblad.
- Jy mag 'n sakrekenaar gebruik.
- Die vrae toets insig. Omslagtige berekeninge is dus onnodig en tydrowend.
- Ons hoop jy geniet dit!

1. At a party each child gets $\frac{1}{3}$ of a pizza. There were 12 pizzas altogether. How many children were at the party?



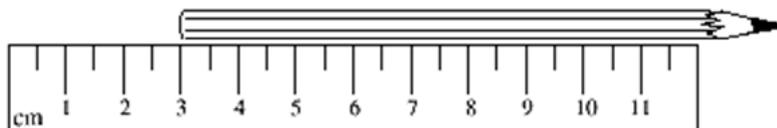
- (A) 4 (B) 36 (C) 48 (D) 24 (E) 12

2. This analogue watch shows the time after sunset on a particular day. What will a digital watch show for the same time?



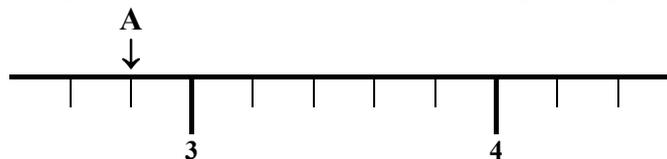
- (A) 10:02 (B) 10:10 (C) 10:12 (D) 22:02 (E) 22:10

3. Which measurement is closest to the length of the pencil?



- (A) 9 cm (B) 10,5 cm (C) 12 cm (D) 13 cm (E) 13,5 cm

4. What is the number indicated by A on the ruler?



- (A) 2,9 (B) 2,8 (C) 2,95 (D) 3,8 (E) 2



13. Voyo has 24 marbles more than Bingo and Thandi has 24 less than Bingo. If Bingo has 71 marbles, how many do they have altogether?
- (A) 211 (B) 213 (C) 215 (D) 217 (E) 219

14. The sketch shows how houses are numbered in Albury Street.
Caroline lives at number 36
Con lives at number 37
Luke lives at number 38
Maria lives at number 39
Angelo lives at number 40
Who lives opposite Luke?
14. Die skets toon hoe huise in Alburystraat genommer word.
Caroline woon in nommer 36
Con woon in nommer 37
Luke woon in nommer 38
Maria woon in nommer 39
Angelo woon in nommer 40
Wie woon direk oorkant Luke?



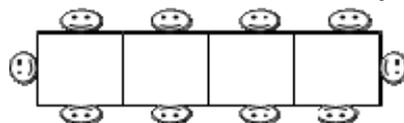
- (A) Caroline (B) Con (C) Maria (D) Angelo (E) Marc

15. A shop sells potatoes in big bags with 40 potatoes for R35,60. If they want to sell smaller bags of 15 potatoes for the same price, what should the price of the smaller bag be?
- (A) R10,68 (B) R13,35 (C) R17,80 (D) R16,40 (E) R15,65

16. If you begin with a certain number, multiply it by 3, then add 8, then divide by 2 and then subtract 6, you will get the original number back. What is the number?
- (A) 2 (B) 8 (C) 6 (D) 5 (E) 4

17. A packet of viennas is shared equally amongst 15 children. If each child got $2\frac{1}{5}$ viennas, how many viennas were in the packet?
- (A) 33 (B) 35 (C) 30 (D) 30 (E) 32

18. For your birthday party, you make one long table by joining a number of small tables as shown. Each small table can seat two persons, plus one at each end of the long table. How many people can sit at 20 small tables?
18. Vir jou verjaardagpartyjie maak jy een lang tafel deur 'n aantal klein tafeltjies teen mekaar te stoot soos getoon. By elke klein tafeltjie kan twee persone sit, plus een aan elke kop van die lang tafel. Hoeveel mense kan by 20 klein tafeltjies sit?



- (A) 40 (B) 42 (C) 20 (D) 22 (E) 46

19. In question 18: If you need seats for 58 people, how many small tables do you need?
- (A) 30 (B) 28 (C) 32 (D) 34 (E) 36
19. In vraag 18: As jy sitplek vir 58 persone benodig, hoeveel klein tafeltjies het jy nodig?

20. Arnold drove 10 km east, then 5 km north, then 3 km east, then 11 km south, then 13 km west. How far is he now from his starting place?
 (A) 11 km (B) 6 km (C) 3 km

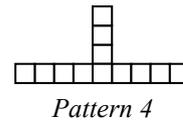
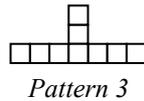
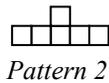
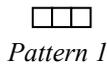
20. Arnold reis 10 km oos, toe 5 km noord, toe 3 km oos, toe 11 km suid en daarna 13 km wes. Hoe ver is hy nou van waar hy begin het?
 (D) 5 km (E) 10 km

21. Siva is shorter than Temba. Eby is taller than Ram and Temba. Siva is also shorter than Ram but taller than Oscar. Who is the shortest of them all?
 (A) Oscar (B) Siva (C) Temba

21. Siva is korter as Temba. Eby is langer as Ram en Temba. Siva is ook korter as Ram, maar langer as Oscar. Wie is die kortste van almal?
 (D) Ram (E) Eby

22. If the pattern below is continued, how many squares will *Pattern 100* have?

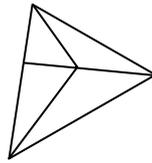
22. As die patroon hieronder voortgaan, hoeveel vierkantjies sal in *Patroon 100* wees?



- (A) 301 (B) 302 (C) 300 (D) 298 (E) 299

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

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



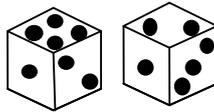
- (A) 9 (B) 6 (C) 7 (D) 8 (E) Not one of these
 Nie een hiervan nie

24. You have three 10c coins, two 5c coins and two 20c coins. In how many different ways can you give a person 35c?
 (A) 2 (B) 3 (C) 4

24. Jy het drie 10c muntstukke, twee 5c muntstukke en twee 20c muntstukke. Op hoeveel verskillende maniere kan jy 'n persoon 35c gee?
 (D) 5 (E) 6

25. If you roll two dice and add the two top numbers, how many different answers are possible?

25. As jy twee dobbelstene rol en jy tel die twee boonste getalle op, hoeveel verskillende antwoorde is moontlik?



- (A) 10 (B) 11 (C) 12 (D) 21 (E) 36