

Jet SA Mathematics Challenge

GRADE 4 FINAL ROUND
7 SEPTEMBER 2011

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!

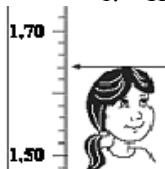
Jet SA Wiskunde-uitdaging

GRAAD 4 FINALE RONDE
7 SEPTEMBER 2011

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. How tall is Jackie?



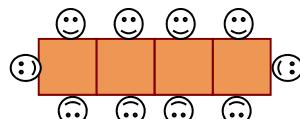
- (A) 1,64 m (B) 1,57 m (C) 1,73 m (D) 1,62 m (E) 1,67 m

2. A movie on television is 2 hours 55 minutes long and ends at 16:45. At what time did it start?



- (A) 13:40 (B) 14:10 (C) 13:50 (D) 13:10 (E) 14:25

3. 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?

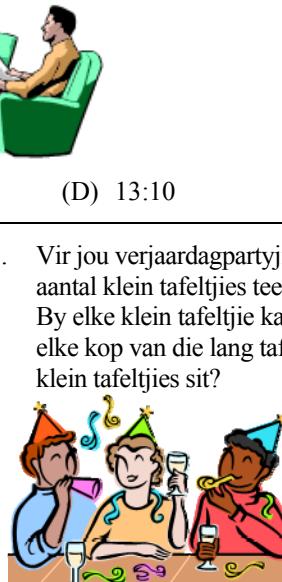


- (A) 40 (B) 42 (C) 20 (D) 22 (E) 46

1. Hoe lank is Jackie?



2. 'n Film op televisie is 2 uur 55 minute lank en eindig om 16:45. Hoe laat het die film begin?

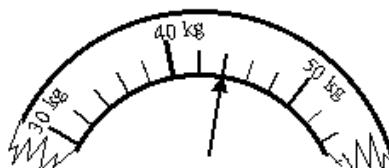


3. Vir jou verjaardagpartyjie maak jy een lang tafel deur 'n aantal klein tafeltjies teen mekaar te stoot soos getoon. By elke klein tafeltjie kan twee persone sit, plus een aan elke kop van die lang tafel. Hoeveel mense kan by 20 klein tafeltjies sit?

4. Which number is exactly halfway between 64 and 96? 4. Watter getal is presies halfpad tussen 64 en 96?

- (A) 79 (B) 81 (C) 82 (D) 80 (E) 78

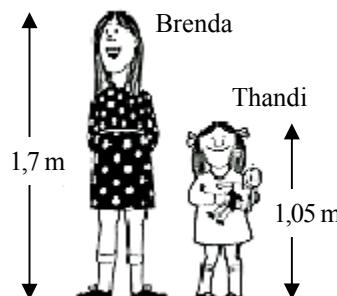
5. What mass is indicated on the scale? 5. Watter massa word op die skaal aangedui?



- (A) 42 kg (B) 40,2 kg (C) 44 kg (D) 40,4 kg (E) 47 kg

6. How much taller is Brenda than Thandi?

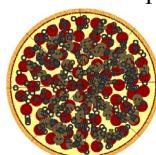
6. Hoeveel is Brenda langer as Thandi?



- (A) 65 m (B) 65 cm (C) 65 mm (D) 1,8 m (E) 1,65 m

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

7. By 'n partytjie kry elke kind $\frac{1}{3}$ van 'n pizza. Daar was altesaam 12 pizzas. Hoeveel kinders was daar by die partytjie?



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

8. Sally counts like this: 6, 12, 18, 24, 30, ...
What is the 100th number she will count?

8. Sally tel so: 6, 12, 18, 24, 30, ...
Wat is die 100th getal wat sy sal tel?



- (A) 600 (B) 607 (C) 602 (D) 606 (E) 601

9. Refer to the previous question: which of these numbers will Sally count?

9. Verwys na die vorige vraag: watter van hierdie getalle sal Sally tel?

- (A) 3733 (B) 4526 (C) 5186 (D) 6526 (E) 7356

10. Only one of these calculations is correct. Which one?

10. Slegs een van hierdie berekening is korrek. Watter een?

- (A) $54 \times 65 = 3512$ (B) $78 \times 19 = 1486$ (C) $33 \times 58 = 1914$ (D) $69 \times 10 = 695$ (E) $82 \times 15 = 1235$

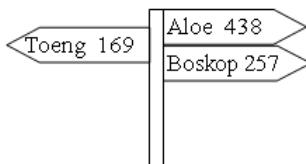
11. A train departs from Bellville station at 09:47 and arrives in Cape Town at 10:18. Another train on the same route leaves Bellville at 12:30. At what time does it arrive in Cape Town?

(A) 13:18 (B) 13:01 (C) 01:01

11. 'n Trein vertrek om 09:47 van Bellville-stasie en kom om 10:18 in Kaapstad aan. 'n Ander trein op dieselfde roete vertrek om 12:30 van Bellville. Hoe laat kom dit in Kaapstad aan?

(D) 13:12 (E) 12:51

12. This road sign at a T-junction shows the distance, in kilometres, to three towns. What is the distance between Aloe and Boskop?



(A) 607 km (B) 181 km (C) 222 km

12. Hierdie padteken by 'n T-aansluiting gee die afstande, in kilometer, na drie dorpe. Wat is die afstand tussen Aloe en Boskop?

(D) 269 km (E) 665 km

13. In the previous question: What is the distance between Aloe and Toeng?

(A) 607 km (B) 181 km (C) 222 km

13. In die vorige vraag: Wat is die afstand tussen Aloe en Toeng?

(D) 269 km (E) 665 km

14. In Townville the park is 3 km west of the school. The library is 1 km west of the church. The church is 4 km east of the school. How far is the library from the park?

(A) 6 km (B) 4 km (C) 5 km

14. In Townville is die park 3 km wes van die skool. Die biblioteek is 1 km wes van die kerk. Die kerk is 4 km oos van die skool. Hoe ver is die biblioteek vanaf die park?



(D) 7 km (E) 8 km

15. 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

15. Voya het 24 albasters meer as Bingo en Thandi het 24 minder as Bingo. As Bingo 71 albasters het, hoeveel het hulle altesaam?

(D) 217 (E) 219

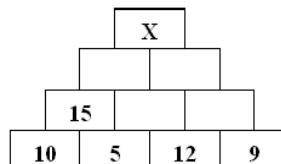
16. Zinkle has 15 marbles less than Zuki. Together they have 95 marbles. How many marbles does Zuki have?

(A) 80 (B) 40 (C) 55

16. Zinkle het 15 albasters minder as Zuki. Saam het hulle 95 albasters. Hoeveel albasters het Zuki?

(D) 50 (E) 110

17. In this number wall you add the two numbers next to each other and write the sum in the brick directly above the two numbers, e.g. $10 + 5 = 15$. What number will be written in X?



(A) 70 (B) 68 (C) 72 (D) 78 (E) 80

17. In hierdie getal-muur tel jy die twee getalle langs mekaar op en skryf die som in die blok direk bo die twee getalle, bv. $10 + 5 = 15$. Watter getal sal in X geskryf word?

18. Bella uses $\frac{3}{4}$ of a metre of material to make a skirt. If she has 5 m of material, how many skirts can she make?

(A) 7 (B) 6 (C) $6\frac{2}{3}$

18. Bella gebruik 'n $\frac{3}{4}$ meter material om 'n rok te maak. As sy 5 m material het, hoeveel rokke kan sy maak?

(D) $3\frac{3}{4}$ (E) None of these
Nie een hiervan nie

19. Five children play tennis. Each child plays each of the others once. How many matches are played?
 (A) 20 (B) 12 (C) 6 (D) 10 (E) 15

20. In how many different ways can the three girls be arranged in a line next to each other for the photograph?
 20. Op hoeveel verskillende maniere kan die drie meisies in 'n lyn langs mekaar gerangskik word vir die foto?



- (A) 3 (B) 4 (C) 5 (D) 6 (E) None of these
 Nie een hiervan nie
21. 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) 20 (B) 13 (C) 8 (D) 6 (E) 4

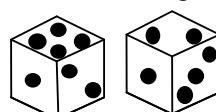
22. The 21st of a month is a Monday. On what day of the week was the 1st of that month?
 (A) Monday Maandag (B) Tuesday Dinsdag (C) Wednesday Woensdag (D) Sunday Sondag (E) Friday Vrydag

23. The science class did an experiment on how fast a certain type of candle burns. They recorded their measurements in the following table. How high will the candle be after 7 hours?
 23. Die wetenskapklas het 'n eksperiment uitgevoer om uit te vind hoe vinnig 'n sekere soort kers brand. Hulle dui hul afmetings in die volgende tabel aan. Hoe hoog sal die kers na 7 ure wees?

Time in hours	0	1	2	3	4
Height in cm	32	28	24	20	16

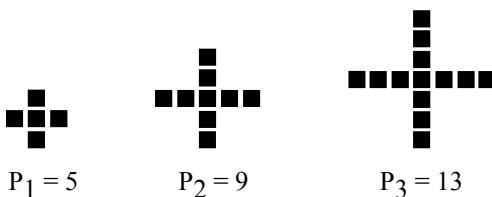


- (A) 0 cm (B) 4 cm (C) 8 cm (D) 12 cm (E) None of these
 Nie een hiervan nie
24. If you roll two dice and add the two top numbers, how many different answers are possible?
 24. As jy twee dobbelstene rol en jy tel die twee boonste getalle op, hoeveel verskillende antwoorde is moontlik?



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

25. Study the following pattern. What is P₂₀?
 25. Bestudeer die volgende patroon. Wat is P₂₀?



- (A) 77 (B) 79 (C) 80 (D) 81 (E) 83