

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 20min
Time Remaining: 00s
19min 57s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 1 of 16

Next

A table has been drawn to show the relationship between numbers in a pattern.

1 st number	1	2	3	4	5
2 nd number	9	13	?	21	25

What is the missing number?

Please type your answer here...

Submit

Flag this question to revisit later: ●

Next

Copyright © 2013 Pascal Press Pty Ltd. All Rights Reserved.

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 00s
Time Remaining: 19min 47s

Finish Test

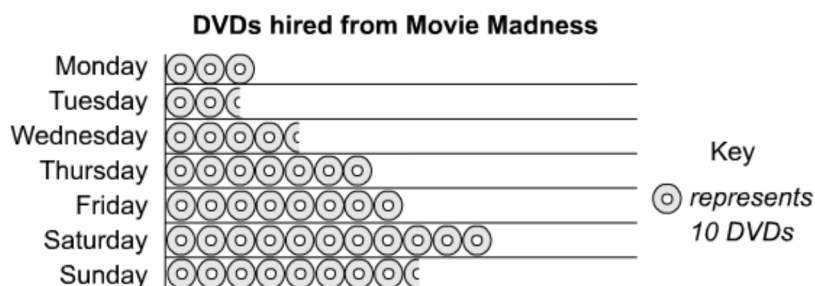
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 2 of 16

Previous

Next

The following graph has been drawn to show the number of DVDs hired from a store, Movie Madness, on different days in one week.



How many more DVDs were hired on Saturday than on Wednesday?

Please type your answer here...

Submit

Flag this question to revisit later: ●

Previous

Next

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 20min
Time Remaining: 00s
19min 42s

Finish Test

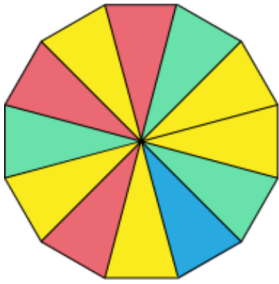
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 3 of 16

Previous

Next

This spinner has an equal chance of landing on any of the spaces when it is spun.



What is the chance that it will land on yellow?

☐ 5 in 7

☐ 5 in 12

☐ 1 in 3

☐ 1 in 5

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 20min
Time Remaining: 00s
19min 38s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 4 of 16

Previous

Next

A survey was taken of the number of children in each family living in a particular street. The results are shown in the table.

Children in families in Ivy Street	
Number of children	Number of families
0	5
1	4
2	6
3	7
4	3
5	1

How many children live in Ivy Street?

☐ 15

☐ 26

☐ 54

☐ 59

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 20min
Time Remaining: 00s
19min 33s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 5 of 16

Previous

Next

A number pattern is formed beginning with 7 and adding 5 each time.



What is the tenth number in the pattern?

Please type your answer here...

Submit

Flag this question to revisit later:

Previous

Next

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 20min
Time Remaining: 00s
19min 26s

Finish Test

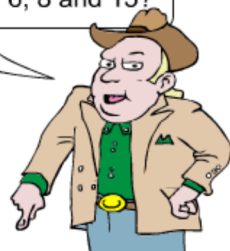
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 6 of 16

Previous

Next

What is the average (mean) of 3, 6, 8 and 15?



☐ 3

☐ 6

☐ 8

☐ 15

Flag this question to revisit later:

Previous

Next

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 20min
Time Remaining: 00s
19min 19s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 7 of 16

Previous

Next

A bag holds three red, five yellow and seven blue pegs. If Bonnie chooses a peg without looking, what is the chance that it is red?



☐ 3 in 5

☐ 3 in 7

☐ 1 in 4

☐ 1 in 5

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 8 of 16

Previous

Next

Anil created a pattern using matchsticks. He recorded the number of matchsticks needed for each row of his pattern and placed the information in a table. Later, the paper on which the table was written was torn and only one of the numbers in the bottom row could be read.

Number of rows	1	2	3	4	5
Number of matchsticks				13	

Which could **not** be the rule connecting the number of matchsticks with the number of rows?

The number of matchsticks
= $3 \times$ number of rows + 1.

☐

The number of matchsticks
= $2 \times$ number of rows + 5.

☐

The number of matchsticks
= $4 \times$ number of rows - 3.

☐

The number of matchsticks
= $5 \times$ number of rows - 8.

☐

Flag this question to revisit later:

Previous

Next

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed:
Time Remaining:

20min
00s
19min
06s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 9 of 16

Previous

Next

The table shows the ideal weight for men and women with a medium frame and of particular heights.

Ideal weight for height		
Height	Men	Women
155 cm	55 kg	51 kg
160 cm	57 kg	54 kg
165 cm	60 kg	57 kg
170 cm	64 kg	61 kg
175 cm	67 kg	65 kg

What is the difference (in kilograms) between the ideal weights of a man 175 cm tall and a woman 155 cm tall?

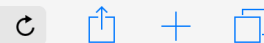
Please type your answer here...

Submit

Flag this question to revisit later:

Previous

Next



ra rapnet.r www.goog... rapnet.ric... www.face... Cellopark... Checkout... docs.goog... Favourites Yahoo7 Se... Test Zone

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed:
Time Remaining:

20min
00s
19min
00s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 10 of 16

Previous

Next

The average (mean) of 3, 9, 4, 7, 5 and one other number is 6.



What is the other number?

☐ 8

☐ 7

☐ 6

☐ 5

Flag this question to revisit later:

Previous

Next

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 20min
Time Remaining: 18min 54s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 11 of 16

Previous

Next

The chance of an event happening is given correctly as 8 in 10.



What is the best way to describe the chance of this event?

☐ likely

☐ fifty-fifty

☐ unlikely

☐ certain

Flag this question to revisit later: ●

Previous

Next

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 20min
Time Remaining: 18min 47s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 12 of 16

Previous

Next

Kieran made a pattern by sticking pins into a board to create different figures.



Figure 1



Figure 2



Figure 3



Figure 4

How many pins will Kieran need for the 7th figure?

Please type your answer here...

Submit

Flag this question to revisit later: ●

Previous

Next

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 20min
Time Remaining: 00s
18min 43s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 13 of 16

Previous

Next

A survey was taken of the number of children in families in a particular street and the results are shown in the table.

Children in families in Wattle Street	
Number of children	Number of families
0	3
1	7
2	25
3	12
4	5
5	2

How many families were surveyed?

☐ 15

☐ 51

☐ 54

☐ 123

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed: 20min
Time Remaining: 00s
18min 36s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 14 of 16

Previous

Next

A graph has been drawn showing the number of mistakes students made in a spelling test.



How many students made more than three mistakes?

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed:
Time Remaining:

20min
00s
18min
26s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 15 of 16

Previous

Next

The table shows the number of days on which it rained in the first six months of the year.

Wet days per month	
Month	Number of wet days
January	7
February	16
March	12
April	14
May	8
June	3

What was the average (mean) number of wet days per month?

☐ 9

☐ 10

☐ 11

☐ 12

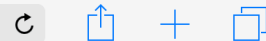
Flag this question to revisit later: ☐

Previous

Next



exceltestzone.com.au



ra rapnet.r www.goog... rapnet.ric... www.face... Cellopark... Checkout... docs.goog... Favourites Yahoo7 Se... Test Zone

YEAR 7 Algebra Non-calculator Test 2

Numeracy Short Test

Time Allowed:
Time Remaining:

20min
00s
18min
20s

Finish Test

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 16 of 16

Previous

Finish Test

Sergio wrote down this table to show the number of matchsticks needed to make each row of a pattern.

Number of rows	1	2	3	4	5
Number of matchsticks	7	12	17	22	27

How many rows would be in a pattern that used 67 matchsticks?

Please type your answer here...

Submit

Flag this question to revisit later: ☐

Previous

Finish Test