

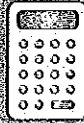
NATIONAL ASSESSMENT PROGRAM
LITERACY AND NUMERACY

YEAR

7

2011

NUMERACY
CALCULATOR ALLOWED



1025666 5

98_108 7N

FIRST NAME: _____

LAST NAME: _____

Date of Birth: ____/____/____

GENDER: _____

SOUTH SYDNEY HIGH SCHOOL

530_8545



5308545 4

7506936

STUDENT TO COMPLETE

Please print your first name and last name below. Write in capital letters.

FIRST NAME

LAST NAME

NOTE TO TEACHER: RECORDING STUDENT PARTICIPATION AND SPECIAL PROVISIONS

Please ensure your School NAPLAN coordinator has provided you with an **Assessment Roll** for this test. The Assessment Roll must be printed from the School Online Assessment Registration (SOAR) and used to record student participation and special provisions. At the end of the test session, the completed Assessment Roll must be handed to the NAPLAN coordinator so the data can be entered into SOAR.

Special Provisions

Tick the appropriate box on the Assessment Roll to identify the special provisions provided for the student for this test and to identify if the student is enrolled in a Support Class.

Student participation

Tick the appropriate box on the Assessment Roll if the student was absent, exempt or withdrawn from this test.

Books for students in these categories MUST NOT BE RETURNED for processing.

0:40

Time available for students to complete test: 40 minutes

Use 2B pencil only



PRACTICE QUESTIONS

P1 50, 100, 150, 200, 250, ?

Shade one bubble.

Which number comes next in this sequence?

- 251 260 300 350
-

P2 Dave had \$5.75.
He spent \$1 and then spent 75 cents.
How much money does he have left?

Write your answer in the box.

\$

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1 Which of these dance positions has one line of symmetry?

Shade one bubble.

2 The diagram shows the number of nuclear power stations in four countries.

France	
Japan	
Russia	
Germany	

Key
 = 20 nuclear power stations

Which country has about 50 nuclear power stations?

France Japan Russia Germany

3 Ann saves \$15 each month.
 How many months will it take Ann to save a total of \$300?

4 months 8 months 20 months 25 months

4 Rose walked 5185 steps and Liv walked 3147 steps in a day.
 How many more steps did Rose walk than Liv?

8332 2048 2042 2038

5 Emma has \$1.25 in coins.
 What is the least number of coins she can have?

2 3 4 5

Shade one bubble.

6 What number makes this number sentence correct?
 $1.6 \times ? = 4.48$

2.8 2.88 6.08 7.168

7 Peter bought some packs of plastic forks and spoons for a party.

20 Plastic Forks \$1.50 per pack	15 Plastic Spoons \$1.25 per pack
-------------------------------------	--------------------------------------


This is how he worked out the cost:
 $(6 \times \$1.50) + (4 \times \$1.25) = \$14$

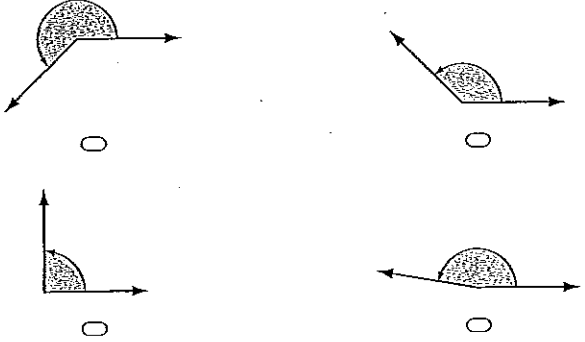
How many packs of plastic spoons did Peter buy?

4 5 6 9

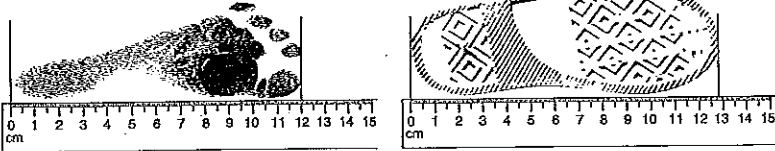
8 Which of these drawings is a net of a pyramid?

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9 Which angle is closest in size to 140° ? Shade one bubble. 



10 Trudie measured her footprint. She then measured her shoe print.

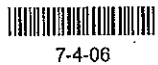



How much longer is her shoe than her foot?

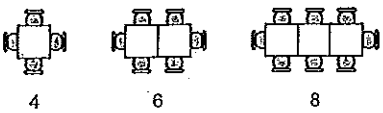
0.08 cm 0.8 mm 8 mm 8 cm

11 Emily made a triangle using wire. It had a perimeter of 20 cm. Which of these could be the side lengths of her triangle?

6 cm, 6 cm, 8 cm
 5 cm, 5 cm, 10 cm
 4 cm, 4 cm, 12 cm
 3 cm, 3 cm, 14 cm

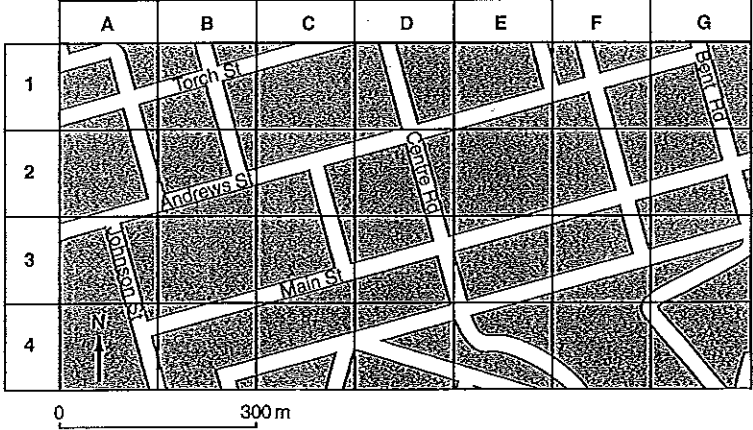


12 Miriam owns a restaurant. She sets up rows of tables and chairs as shown. Shade one bubble. 



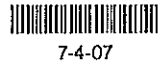
number of tables \times 4
 number of tables \div 2 - 2
 number of tables \times 2 + 2
 number of tables \times 2 - 2

13 This is a map of where Jane and Kate live.



Jane is on the corner of Main St and Johnson St (map reference A4). She walks 850 metres along Main St to Kate's house. What is the map reference of Kate's house?

D3 E3 F1 G2



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14 Which of these numbers is a prime number?

- 9 29 39 49

Shade one bubble.

15

Internet use in Australia				
Year	2003	2004	2005	2006
Number of people (millions)	12.21	13.27	13.60	14.28

Between 2003 and 2006, internet use in Australia increased by about

- 0.5 million people.
 1 million people.
 2 million people.
 2.5 million people.

16 \blacklozenge and ☺ represent different numbers.

$\blacklozenge + \text{☺} = 25$ $\blacklozenge - \text{☺} = 5$

What is ☺ equal to?

- 5 10 15 20

17 Alex thinks of a regular 2D shape.
It has only 3 pairs of parallel sides.

The shape could be

- a parallelogram.
 a triangle.
 an octagon.
 a hexagon.



18

The table shows the distances of four past marathons.
Which marathon had the longest distance?

Year of marathon	Distance (km)
<input type="radio"/> 1906	41.86
<input type="radio"/> 1912	40.2
<input type="radio"/> 1920	42.75
<input type="radio"/> 1924	42.195

Shade one bubble.

19

Dustin collects football cards.
He sells some of his cards. The prices are listed here.

\$3, \$5, \$5, \$8, \$8, \$10, \$10, \$10, \$40

What is their mean (average) price?

- \$8 \$9 \$10 \$11

20

John is three years younger than Mary.

Which statement is correct?

- Mary's age + John's age = 3*
 Mary's age = John's age + 3
 John's age - Mary's age = 3
 John's age = Mary's age + 3

21

Beth was given 6 minutes to complete a puzzle.
When she finished, there were 250 seconds left on the timer.

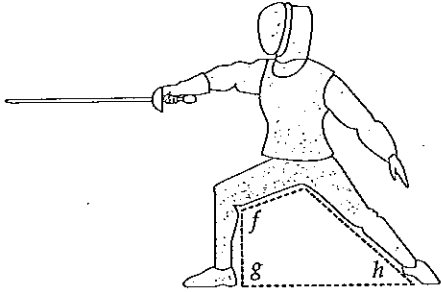
How long did Beth take to complete the puzzle?

- 1 minute 50 seconds
 2 minutes 50 seconds
 3 minutes 50 seconds
 4 minutes 50 seconds



22

This picture shows a position used in the sport of fencing.



Shade one bubble.

Which list shows the three angles f, g, h in increasing order of size?

- h, g, f
 h, f, g
 g, f, h
 f, g, h

23

This table shows the percentage of \$1 million prize money awarded as first, second and third prizes.

	Percentage of \$1 million
First prize	50%
Second prize	30%
Third prize	20%

2000 people equally shared third prize.

How much did each third-prize winner get?

\$

24

The school librarian made this table of the number of books borrowed on one day.

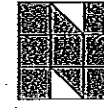
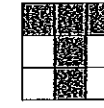
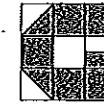
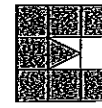
Number of books borrowed per student	1	2	3	4	5
Number of students	20	16	8	6	3

What was the total number of books borrowed that day?

25

Tam cuts letters from squares of metal.

Which of these letters uses exactly $\frac{5}{6}$ of the metal square?



Shade one bubble.

26

A dance school teaches Hip Hop and Salsa. One-quarter of all the students learn Salsa. The rest of the students learn Hip Hop. No students learn both.

Write your answer in the box.

	Hip Hop only	Salsa only
Boys	95	24
Girls	?	26

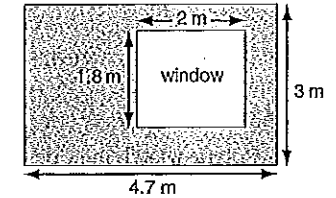
How many girls learn Hip Hop?

27

Donna painted one rectangular wall of her bedroom. The diagram shows the wall and window. The window was not painted.

What area did Donna paint?

square metres

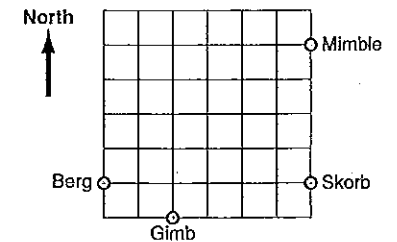


28

On this map the town of Berg is 90 km from Skorb. The town of Nunton is not shown on the map. It is due north of Gimb and due west of Mimble.


What is the distance from Gimb to Nunton?

km





- 29 Kyle draws a quadrilateral with a perimeter of 30 centimetres.
What is the maximum possible area of Kyle's shape?

Write your answer
in the box. 

square centimetres

- 30 The table shows the height of a burning candle at different times.

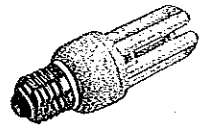
Time (minutes)	0	5	10	15	20	25	30
Height (cm)	15	14.25	13.5	12.75	12	11.25	10.5

The candle burns until its height is 3 cm.
How many minutes does it take the candle to burn to a height of 3 cm?

minutes

- 31 The lights in Ali's office are on for 40 hours per week, every week of the year.

Ali replaces a light globe after 8000 hours of use.
After how long, to the nearest year, will Ali need to replace the light globe?



years

- 32 A plane was flying due north. It made these three course changes:

1. 15° right turn
2. 50° left turn
3. a final right turn until it was heading due east.

How many degrees did it turn the third time?

degrees

STOP – END OF TEST



NAPLAN Numeracy (with calculator) Year 7 2011 Quick Answers

- | | |
|-------------------------------------|-------------------------------------|
| 1. (option 4) | 17. a hexagon |
| 2. Japan | 18. 1920 |
| 3. 20 months | 19. \$11 |
| 4. 2038 | 20. $Mary's\ age = John's\ age + 3$ |
| 5. 3 | 21. 1 minute 50 seconds |
| 6. 2.8 | 22. h, g, f |
| 7. 4 | 23. \$100 |
| 8. (option 4) | 24. 115 |
| 9. (top right option) | 25. (option 1) |
| 10. 8 mm | 26. 55 |
| 11. 6 cm, 6 cm, 8 cm | 27. 10.5 |
| 12. number of tables $\times 2 + 2$ | 28. 75 |
| 13. G2 | 29. 56.25 |
| 14. 29 | 30. 80 |
| 15. 2 million people. | 31. 4 |
| 16. 10 | 32. 125 |