

NATIONAL ASSESSMENT PROGRAM LITERACY AND NUMERACY

NUMERACY CALCULATOR ALLOWED



YEAR 7 2011

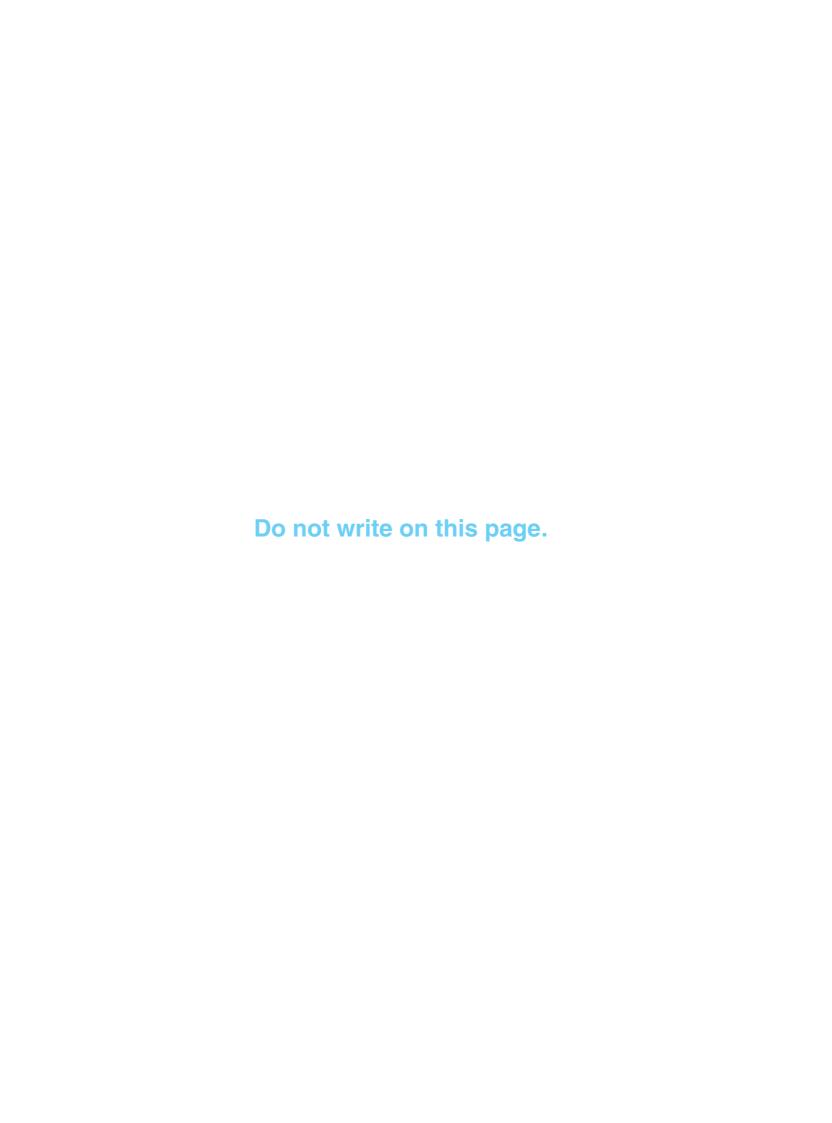


SESSION 1

0:40

Time available for students to complete test: 40 minutes





	PRACTICE	QUESTIONS		
P1		150, 200, 25 er comes next in to 260	 350	Shade one bubble.
P2		75. nd then spent 75 oney does he have		Write your answer in the box.



Shade one Which of these dance positions has one line of symmetry? 1 bubble. The diagram shows the number of nuclear power stations 2 in four countries. France Japan Key Russia = 20 nuclear power stations Germany Which country has about 50 nuclear power stations? France Japan Russia Germany 0 Ann saves \$15 each month. 3 How many months will it take Ann to save a total of \$300? 4 months 8 months 20 months 25 months Rose walked 5185 steps and Liv walked 3147 steps in a day. 4 How many more steps did Rose walk than Liv? 8332 2048 2042 2038



5 Emma has \$1.25 in coins.

Shade one bubble.

What is the **least** number of coins she can have?

2

3

4

5

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

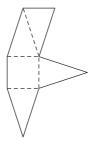
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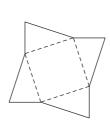
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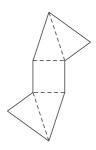
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Which of these drawings is a net of a pyramid?







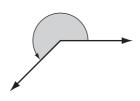




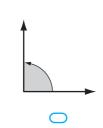
Shade one

bubble.

9 Which angle is closest in size to 140°?

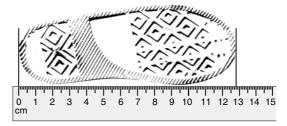


0



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





How much longer is her shoe than her foot?

0.08 cm

 $0.8\,\mathrm{mm}$

 $8\,\mathrm{mm}$

8cm

Emily made a triangle using wire. It had a perimeter of 20 cm.

Which of these could be the side lengths of her triangle?

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

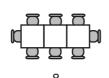


Miriam owns a restaurant.
She sets up rows of tables and chairs as shown.

Shade one bubble.



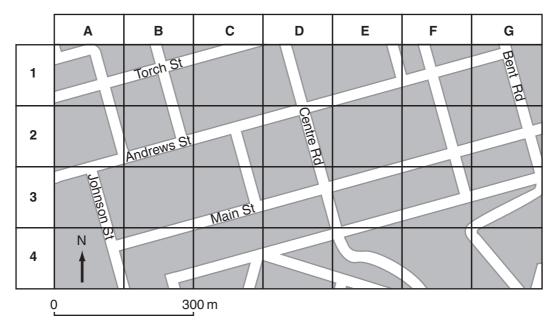




Which of these rules can be used to work out how many chairs will be needed on any row of tables?

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

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



Which of these numbers is a prime number? 14

Shade one bubble.

9

29

39

 \bigcirc

49

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.

and represent different numbers. 16

$$+ (\bigcirc) = 25$$

What is ② equal to?

5

10

15

20

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

The shape could be

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

The table shows the distances of four past marathons.

Shade one bubble.

Which marathon had the longest distance?

	Year of marathon	Distance (km)
0	1906	41.86
0	1912	40.2
0	1920	42.75
0	1924	42.195

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

John is three years younger than Mary.

Which statement is correct?

- \bigcirc Mary's age + John's age = 3
- \bigcirc Mary's age = John's age + 3
- John's age Mary's age = 3
- John's age = Mary's age + 3

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?

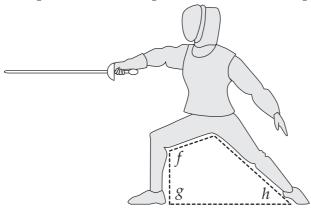
- 1 minute 50 seconds
- 2 minutes 50 seconds
- 3 minutes 50 seconds
- 4 minutes 50 seconds



22

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





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*

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

Write your answ in the box.	ver
	7

	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?

\$

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?



Tam cuts letters from squares of metal.

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



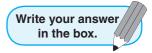






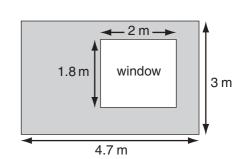


A dance school teaches Hip Hop and Salsa.
One-quarter of all the students learn Salsa.
The rest of the students learn Hip Hop. No students learn both.



	Hip Hop only	Salsa only
Boys	95	24
Girls	?	26

How many girls learn Hip Hop?



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

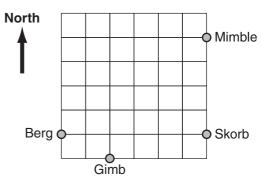
On this map the town of Berg is 90 km from Skorb.

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?									
	what is the maximum possible area of Kyle's shape:									
	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 burn	ns until i	ts heigh	t is 3 cm						
	How many min	utes do	es it take	the can	dle to bu	ırn to a l	neight o	f 3 cm?		
		minut	es							
		mma	.05							
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 – FND OF TEST									



Do not turn this page.	