

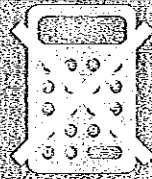
NATIONAL ASSESSMENT PROGRAM
LITERACY AND NUMERACY

YEAR

7

2010

**NUMERACY
NON-CALCULATOR**



7487153

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Tick the appropriate box on the Assessment Roll if the student was absent, exempt or withdrawn from this test.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

SESSION 2

Time available for students to
complete test: 40 minutes


Use 2B pencil
only

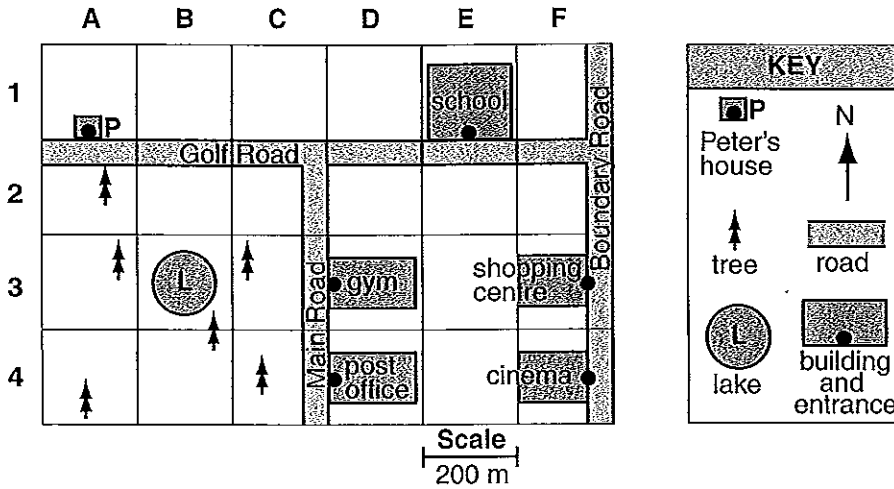


YEAR 7 NUMERACY (NON-CALCULATOR)



Peter drew a map of his neighbourhood.

Shade one bubble. 



What is the grid reference of the lake?

- A1 A3 B3 B4
-

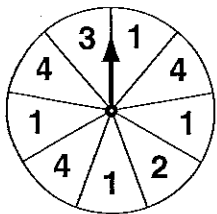
A country football game between the Dogs and the Tigers was attended by 525 people. The Dogs had 218 supporters. The rest supported the Tigers.



How many people supported the Tigers?

- 343 317 313 307
-

This spinner is used in a board game.



Sanjay spins the arrow.

On which number is the arrow most likely to stop?

- 1 2 3 4
-



YEAR 7 NUMERACY (NON-CALCULATOR)

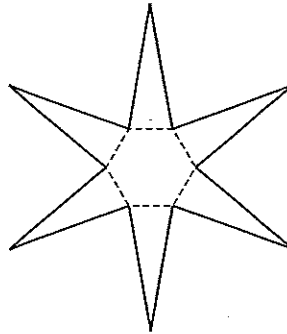


4

Angela made this net.

What 3D object will it make?

- hexagonal prism
- octagonal prism
- hexagonal pyramid
- octagonal pyramid



Shade one bubble.



5

Anne wants to find the answer to $1999 + 1476$.

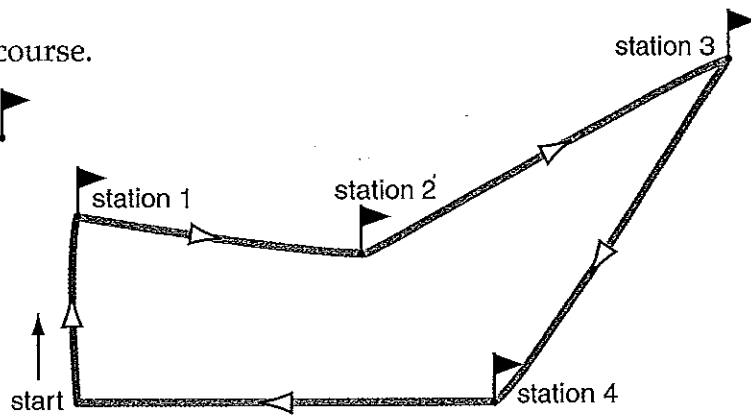
Which of these shows a way to get the same answer?

- $2000 + 1477$
- $2000 + 1475$
- $2005 + 1400$
- $2005 + 1500$

6

This is a map of a running course.

There are 4 drink stations.

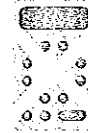


At which drink station do the runners make the greatest change of direction?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| station 1 | station 2 | station 3 | station 4 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

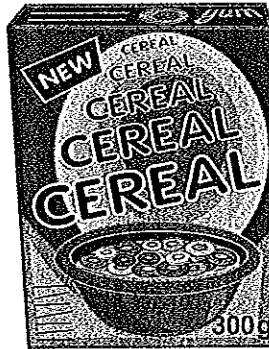
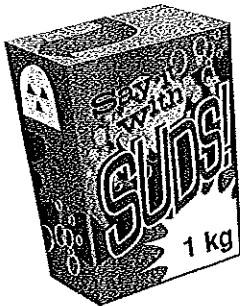
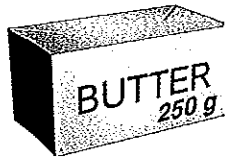


YEAR 7 NUMERACY (NON-CALCULATOR)



Ryan bought these 4 items.

Shade one bubble.



The total mass of Ryan's items is closest to

3 kg

4 kg

8 kg

9 kg

The picture shows a stone head.



The picture is 3 cm high. The actual head is 60 cm high.

What scale is used in the picture?

3 cm represents 20 cm

6 cm represents 30 cm

1 cm represents 2 cm

1 cm represents 20 cm

Three of these calculations give the same value.

Which one gives a different value?

241×1

1×241

$241 \div 1$

$1 \div 241$

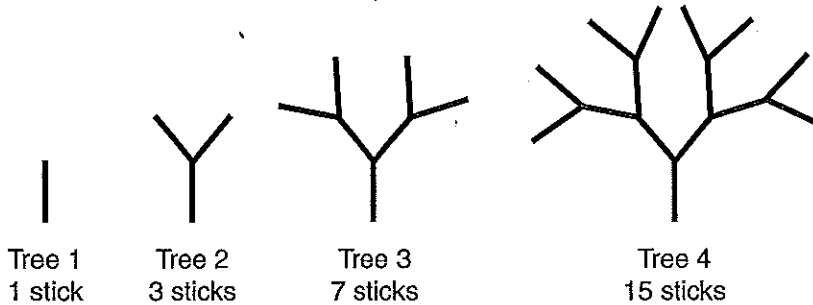


YEAR 7 NUMERACY (NON-CALCULATOR)



10 Lucy made 4 tree designs using sticks.
There is a pattern in the way the trees grow.

Shade one bubble.



Lucy continues the pattern in the same way.

How many sticks will Tree 5 have?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 23 | 31 | 35 | 45 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

11 Jenny is exactly 3 years old.
Her brother Ken is exactly 17 months old.

How many months older than Ken is Jenny?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 13 | 14 | 19 | 21 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

12 A flea can jump up to 200 times its body length.
The body length of the flea is 2.5 mm.

What is the furthest distance the flea can jump?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 5 mm | 50 mm | 500 mm | 5000 mm |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

13 A set of traffic lights is red for half the time, orange for $\frac{1}{10}$ of the time and green for the rest of the time.

For what fraction of the time is the set of traffic lights green?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| $\frac{1}{3}$ | $\frac{2}{5}$ | $\frac{6}{10}$ | $\frac{10}{12}$ |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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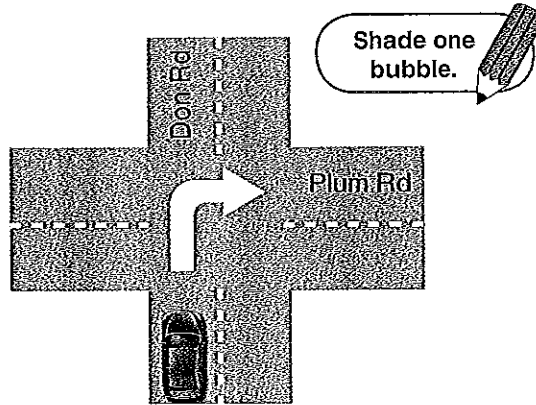
YEAR 7 NUMERACY (NON-CALCULATOR)



A car is travelling north-east along Don Road. The car is about to turn right into Plum Road.

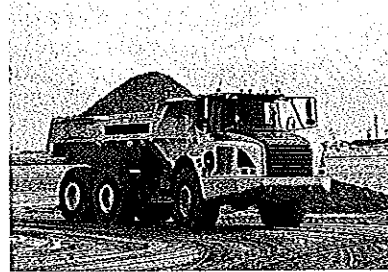
In which direction will the car be travelling after it turns right?

- north-east
- south-west
- north-west
- south-east



Which metric unit would a builder use to measure the volume of sand in a truck like this?

- cubic metres
- square metres
- cubic centimetres
- square centimetres

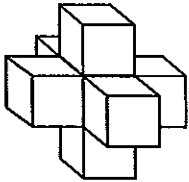


Write a number in the box to make this number sentence correct.

$$24 + 15 > \boxed{} \times 5$$

Write your answer in the box.

This 3D symmetrical object is made by joining cubes. It is then painted.



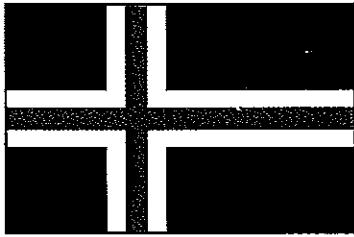
How many faces are painted?



YEAR 7 NUMERACY (NON-CALCULATOR)



18



Shade one bubble.



How many lines of symmetry does the design on this flag have?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 4 | 3 | 2 | 1 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

19 $37.9 \times 10 =$

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 3790 | 3709 | 37.90 | 379 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

20 When it is 12 noon in Melbourne, it is 10 am in Singapore on the same day. A plane leaves Melbourne at 11:30 am Melbourne time and flies to Singapore. The flight takes 6 hours and 50 minutes.

What is the time in Singapore when the plane arrives?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 4:20 pm | 5:20 pm | 6:20 pm | 8:20 pm |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

21 Which percentage has the same value as $\frac{44}{50}$?

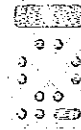
- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 94% | 88% | 44% | 22% |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

22 Which of these is the longest distance?


- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 0.1203 km | 123 m | 1230 cm | 12030 mm |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

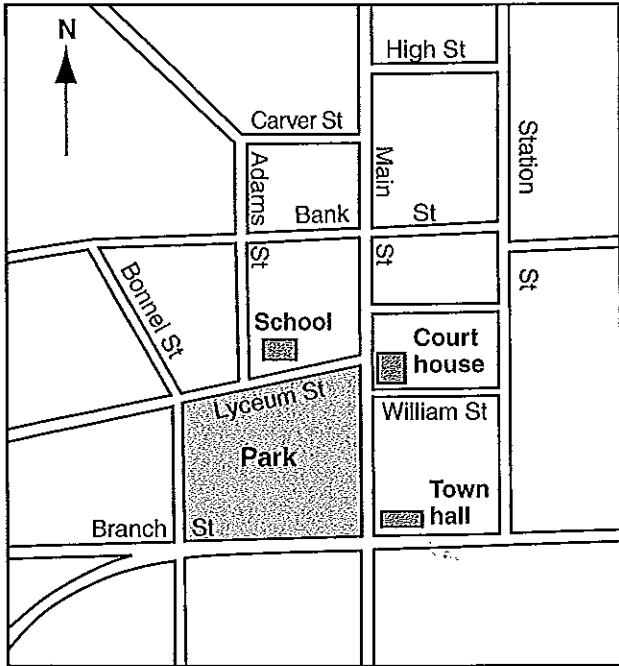


YEAR 7 NUMERACY (NON-CALCULATOR)



Jill lives in a street that runs directly north-south.
Her house is north of the park and west of the school.

Shade one bubble. 



What street does Jill live in?

- Adams St
 Bonnel St
 Station St
 Main St

A grocer buys 25 boxes of melons.
Each box costs \$28.
The total cost of the boxes is $\$28 \times 25$.

Which calculation is another way of working out the total cost?

- 7×100
 18×250
 $(56 \div 2) \times 50$
 $8 + (20 \times 25)$

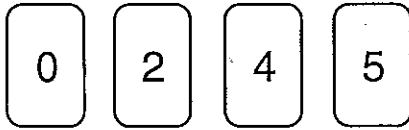


YEAR 7 NUMERACY (NON-CALCULATOR)



25 These are four number cards.

Write your answer in the boxes.



Use each card once to make this number sentence true.

$$\square \square \square \times \square = 2010$$

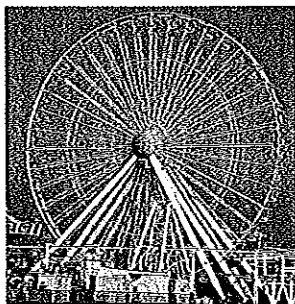
26 A meeting is held on the first Tuesday of each month.
There was a meeting held on 6 March.

Write your answer in the box.

What is the date of the April meeting?

April

27 This Ferris wheel turns at a constant speed.
It takes 4 minutes to turn through a complete circle.

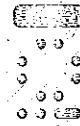


What angle does the Ferris wheel turn through in 90 seconds?

 °

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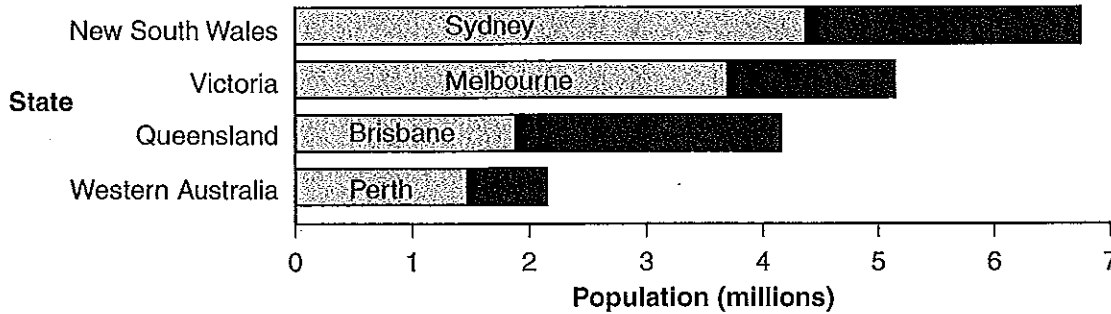


Each bar of this graph shows the population of a state and the population of its capital city.

Shade one bubble.



The four most populated Australian states and capital cities



Which of these states has the lowest percentage of its population living in its capital city?

- New South Wales
- Victoria
- Queensland
- Western Australia

Ben has 2 identical pizzas.
 He cuts one pizza equally into 4 large slices.
 He then cuts the other pizza equally into 8 small slices.
 A large slice weighs 32 grams more than a small slice.

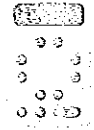
Write your answer in the box.




What is the mass of one whole pizza?


grams





30 This is the label from a can of soup.

Write your answer in the box. 

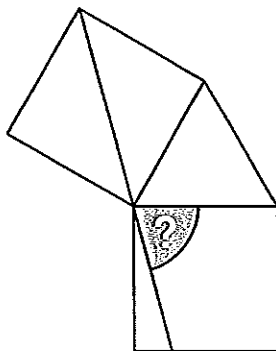
Soup Delight RICH 'N' RED Tomato 		
	Quantity	
	Per 100 g	One serve
ENERGY	150 kJ	450 kJ
PROTEIN	0.6 g	1.8 g
FAT	0.3 g	0.9 g
CARBOHYDRATE	6.9 g	20.7 g
- SUGARS	6.3 g	18.9 g
SODIUM	345 mg	1035 mg

What is the mass of one serve of this soup? grams

31 Peta has some plums to give to her friends.
 If she gives each friend 4 plums, she will have 6 plums left over.
 She cannot give each friend 5 plums because she would need 4 more plums.

How many plums does Peta have?

32 Two squares are drawn on the sides of an equilateral triangle as shown.
 A straight line is then drawn through the point where the 3 shapes touch.



What is the size of the shaded angle? °

STOP – END OF TEST



NAPLAN Numeracy (non calculator) Year 7 2010
Quick Answers

- | | |
|--------------------------|---------------------------|
| 1. B4 | 17. 30 |
| 2. 307 | 18. 1 |
| 3. 1 | 19. 379 |
| 4. hexagonal pyramid | 20. 4:20 pm |
| 5. $2000 + 1475$ | 21. 88% |
| 6. station 3 | 22. 123 m |
| 7. 4 kg | 23. Adams St |
| 8. 1 cm represents 20 cm | 24. 7×100 |
| 9. $1 + 241$ | 25. 402×5 |
| 10. 31 | 26. 3 rd April |
| 11. 19 | 27. 135° |
| 12. 500 mm | 28. Queensland |
| 13. $\frac{2}{5}$ | 29. 256 grams |
| 14. south-east | 30. 300 grams |
| 15. cubic metres | 31. 46 plums |
| 16. 1 or 2 or 3 | 32. 75° |