

NATIONAL ASSESSMENT PROGRAM LITERACY AND NUMERACY

NUMERACY CALCULATOR ALLOWED



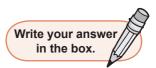
YEAR

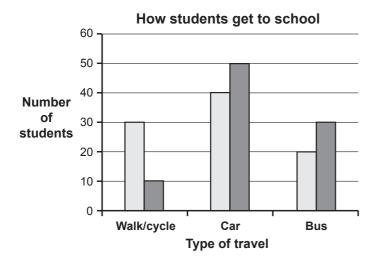


SESSION 2
Time available for students to complete test: 40 minutes

pencil **only**

1 This graph shows how students at Ascot College usually get to school.







Use the information in the graph to complete this table.

	Walk/cycle	Car	Bus
Boys	30		20
Girls	10	50	30

Which number is four thousand and seventy-six?

4067

4760

4706

4076

Shade one bubble.

3 Which picture shows a card opened to about 45°?



 \bigcirc

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This table summarises the time Mick spent walking his dog over five days.

Shade one bubble.

TIME SPENT WALKING THE DOG			
Day	Time		
Monday	45 minutes		
Tuesday	50 minutes		
Wednesday	1 hour		
Thursday	62 minutes		
Friday	43 minutes		

What was the average (mean) time for these walks?

40 minutes

52 minutes

65 minutes

260 minutes

Which number is exactly halfway between $1\frac{1}{4}$ and $3\frac{3}{4}$?

 $1\frac{1}{2}$

2

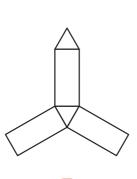
 $2\frac{1}{2}$

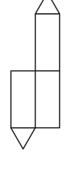
 $2\frac{3}{4}$

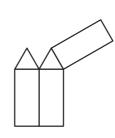
6 This is a triangular prism.



Which diagram is the net of a triangular prism?





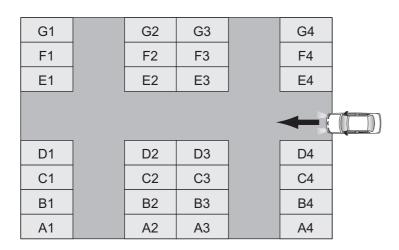






7 This plan shows the parking spaces in a car park.

Shade one
bubble. ///



Simon enters the car park at the arrow.

He takes the second turn on his left and parks in the third parking space on his right.

Which parking space is this?

A1

В1

G2

B2

8 Cassie rode her bike for 30 seconds. She rode at a speed of 6 metres per second.

How far did she ride?

5 m

36 m

180 m

300 m

9 Marie spins these two arrows. She adds the numbers in the sections where the arrows stop and gets a **total** of 5.





Marie then spins the arrows again. How many different ways can she get a total of 8?

1

2

3

4

10 These isometric drawings of some rectangular prisms are labelled Shade one A, B, C and D. bubble. C D Which two drawings are of the same rectangular prism? A and B B and C C and A B and D 11 A car uses an average of 8 litres of fuel for every 100 km travelled. Write your answe At this rate, how many litres would the car use to travel 250 km? in the box. litres 12 This shape turns around the white dot. Shade one bubble. What does it look like after a three-quarter turn clockwise?

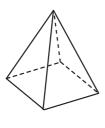
A projector is used to enlarge this map on to a wall. 13 Shade one bubble. 240 cm height . 20 cm 15 cm What is the height of the enlarged map shown on the wall? 200 cm 150 cm 180 cm 300 cm One-fifth of the length of Ruby's skipping rope is 30 cm. 14 Write your answer in the box. How long is her rope? cm 15 A school has 150 students. Shade one 80 of the students each have a book on loan from the library. bubble. The fraction of students who have a book on loan from the library is closest to one-fifteenth. one-eighth. one-quarter. one-half.

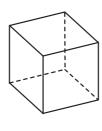
16 Here is a plan of Jim's backyard. Shade one bubble. **KEY** Paving Garden The area of the square garden in the middle is 16 m². What is the area of the paving in Jim's backyard? $20\,m^2$ $32\,m^2$ $128 \, \text{m}^2$ $144\,m^2$ 17 Kim paid \$1.50 for cherries at this price. Cherries 1 kg for \$6 How many grams of cherries did she buy? 150g 250g $0.25\,\mathrm{g}$ $25\,\mathrm{g}$ 18 How many hours and minutes are between 2:27 am and 2:16 pm on the same day? 11 hours and 11 minutes 11 hours and 49 minutes 12 hours and 11 minutes 12 hours and 49 minutes 19 Which one of these is a right-angled isosceles triangle? Not to scale 45° 45° 100°

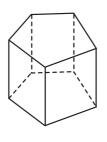
20 Miki turned these stamps over and mixed them up. Shade one bubble. 20c 10c 50c 50c 10c \$1.00 He selects one at random. What is the chance of Miki selecting a 5c stamp? 1 out of 4 1 out of 5 2 out of 5 4 out of 6 21 A stack of cardboard sheets is 11.4 centimetres thick. Write the answe in the box. Each sheet of cardboard is 0.03 centimetres thick. How many sheets of cardboard are in the stack? sheets 22 This shape is made from five small equilateral triangles Shade one and one large equilateral triangle. bubble. Each side of all the small triangles is 5 cm long. What is the perimeter of the shape? 15 cm 45 cm 50 cm 85 cm

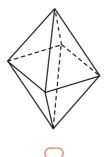
Which object has exactly twice as many edges as faces?











24 Hugo's electricity bill was \$180 last month. This month it is \$135.

What percentage decrease is this?

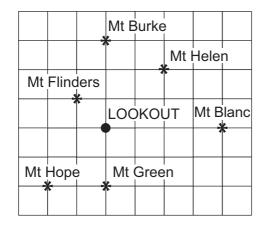
25%

33%

45%

55%

25 This is a map of mountains in a national park.





KEY * Mountain (Mt)

• LOOKOUT

Anna is at the Lookout facing South. She turns 225° in a **clockwise** direction.

Which mountain is Anna now facing?

Mt Helen

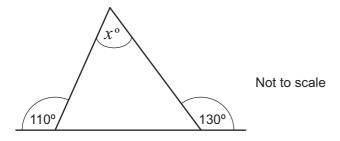
Mt Blanc

Mt Flinders

Mt Hope

 \cup

26



Shade one bubble.

What is the value of *x* in this diagram?

50

55

60

70

27 Niki uses 15 litres of water every minute when she has a shower. She uses 100 litres of water when she has a bath.

How many litres of water does she save by having a $3\frac{1}{2}$ minute

Write your answer in the box.

shower instead of a bath?

litres

There are 420 girls and boys at a concert. 28

The ratio of girls to boys at the concert is 3 to 7.



How many girls are at the concert?

126

140

180

294

29 Sally has 60 DVDs.

This table shows the percentage of each type of DVD.

Type of DVD	Percentage
Drama	45%
Sport	25%
Comedy	20%
Cartoons	10%

How many Comedy DVDs does Sally have?

3

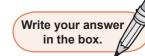
12

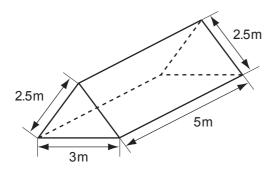
15

20

This solid triangular prism needs all its faces painted.

The area of each triangular face is 3 m².





Not to scale

What is the **total** area to be painted?



 m^2

1 kilometre and 40 metres is the same as

140 km

1.04 km

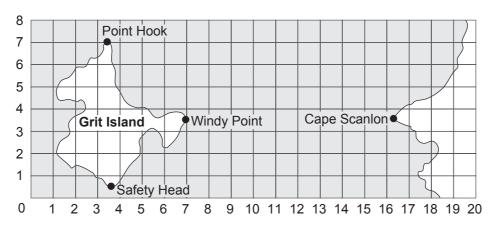
1004 m

 $1.40\,\mathrm{m}$



32 Here is a map of Grit Island.

The shortest distance from Point Hook to Safety Head is 1300 m.



The shortest distance from Windy Point to Cape Scanlon is closest to

950 m

1700 m

1900 m

2250 m



END OF TEST

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YEAR 7 NUMERACY PRACTICE QUESTIONS

P1 How many dolphins are shown on this card?





3

4

5

6

P2

Write your answer in the box.

P3 What is the total cost of these two stamps?





\$