



Mathletics

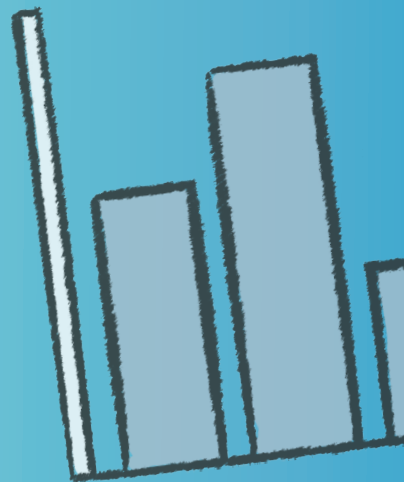
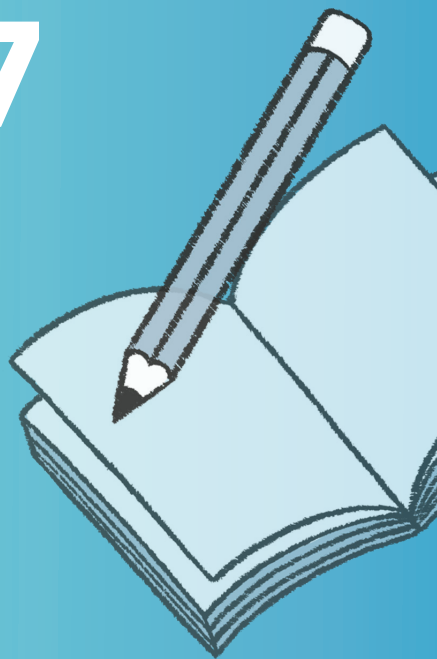
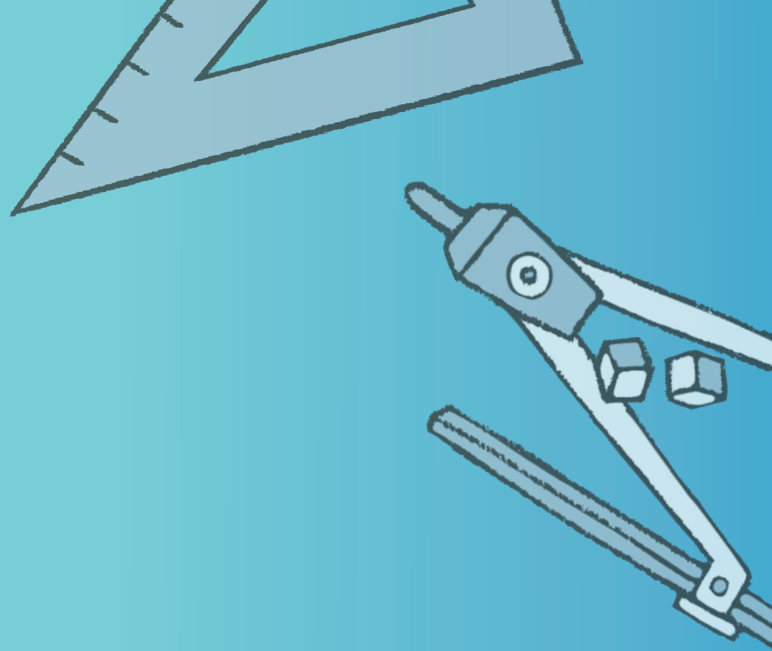
NAPLAN Year 7 Numeracy Test 2

(Calculator Allowed)

Answers



A 3P Learning product



1 Here is a number pattern.

$$8 \times 55 = 440$$

$$16 \times 55 = 880$$

$$24 \times 55 = 1\,320$$

$$32 \times 55 = 1\,760$$

$$\boxed{?} \times 55 = 2\,200$$

What is the missing number?

38



40



42



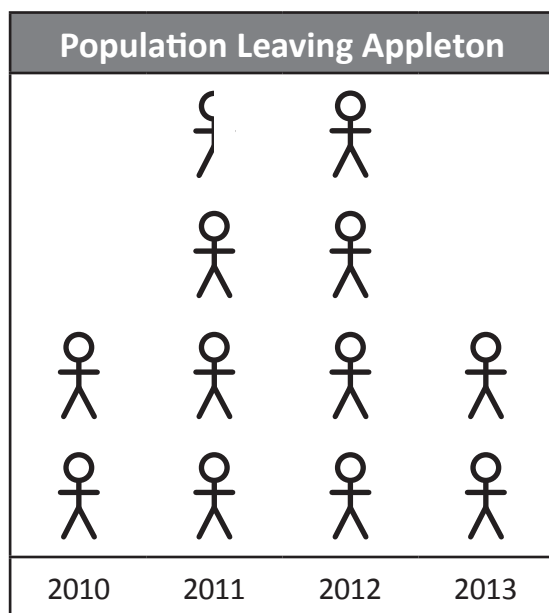
44



Shade one bubble.



2 The number of people moving out of a country town over 4 years is shown below:



Key

$$\text{stick figure} = 4\,000$$

The total number of people who have moved over the 4 years is:

$11\frac{1}{2}$



4 600



46 000



48 000



Shade one bubble.



3 $(6 \times 12) + (51 \times 10) + (7 \times 8) + (7 \times \frac{1}{10}) + (8 \times \frac{2}{100})$ is equal to:

63.886

638.65

638.86

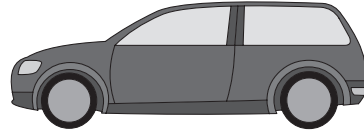
6 388.6

Shade one bubble.



4 The length of this car is 3.63 metres.

How long is this car to the nearest metre?



3.6 metres

3 metres

4 metres

3.5 metres

Shade one bubble.



5 $1^3 + 2^3 + 3^3 + 4^3 =$

90

100

1 234³

125

Shade one bubble.



6 A length of ribbon 4.2 metres long is cut into pieces that are 0.06 long.

How many pieces of ribbon can be cut?

70

Write your answer in the box.



7 How many of these cards show the same as $\frac{1}{4}$?

$\frac{1}{3}$	25%	0.75	50%	0.25	$\frac{7}{5}$	75%	$\frac{2}{8}$	$\frac{8}{16}$
---------------	-----	------	-----	------	---------------	-----	---------------	----------------

- 6 5 4 3

Shade one bubble.

8 Which letter does not have a line of symmetry?

N E A T

Shade one bubble.

9 How many of these numbers are not multiples of 6?

64	27	88	44	48	16	80	32	52	72	60
----	----	----	----	----	----	----	----	----	----	----

- 3 4 5 6

Shade one bubble.

10 The maximum daily temperatures in Paris and Oslo were recorded over a week in January.

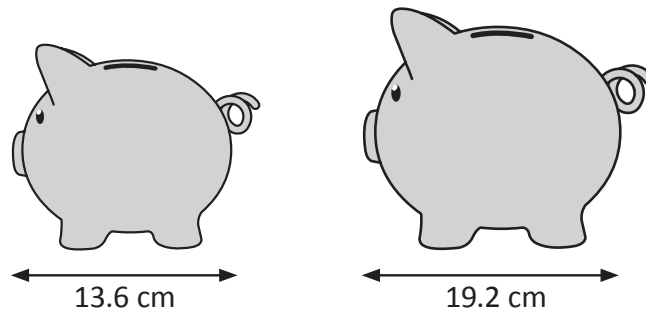
	Sun	Mon	Tues	Wed	Thu	Fri	Sat
Paris	3	2	-1	1	4	-3	-2
Oslo	-4	-3	0	-2	-1	-2	2

On which day is the greatest difference in temperature?

- Sunday Monday Thursday Friday

Shade one bubble.

- 11 The picture shows the length of two money boxes.



What is the difference between the two lengths?

- 4.6 cm 5.6 cm 5.8 cm 6.6 cm
-

Shade one bubble.

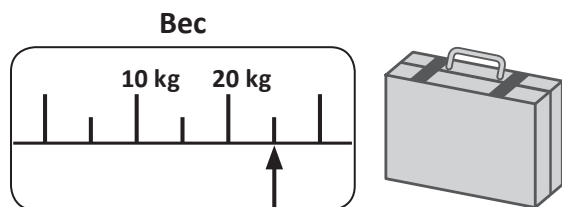
- 12 Tina bought 35 L of petrol at \$1.52 per litre.

How much did she pay for the petrol?

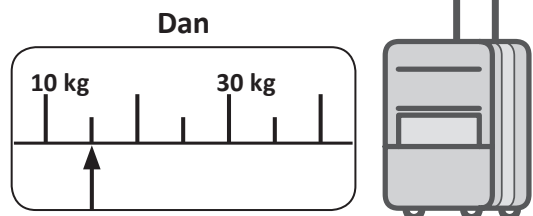
\$

Write your answer in the box.

- 13 This scale shows the weight of Bec's suitcase.



- This scale shows the weight of Dan's suitcase.



By how much more does Bec's suitcase weigh than Dan's?

kg

Write your answer in the box.

- 14 Nick starts with a number.
He divides it by 8 and then multiplies it by 10. The answer is 490.

What number did he start with?

392



570



612.5

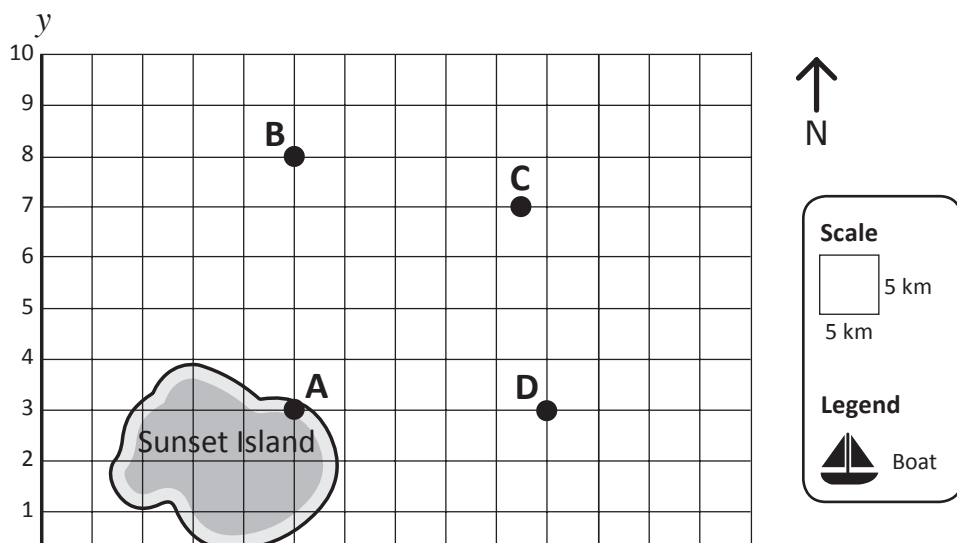


1 960



Shade one bubble. 


The next 3 questions are based on this map:



A whale watching company is based at Anchor Beach (point A).
They have 3 boats out at sea.
Sea Lark is at point B.
Bounty is at point C.
Lucky is at point D.

- 15 What is the grid reference of Sea Lark?

F9

Write your answer in the boxes. 

- 16 Which compass direction is Bounty from Anchor Beach?

NE

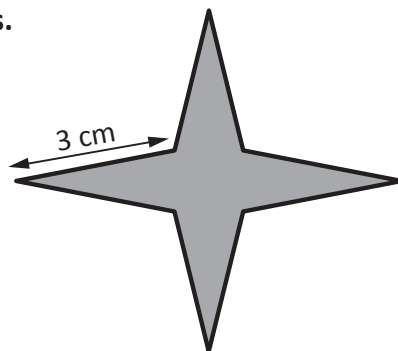
- 17 Sea Lark is travelling directly back to Anchor Beach at an average speed of 25 km/hr.
Use the key to calculate how many minutes it will take to get back.

60 mins

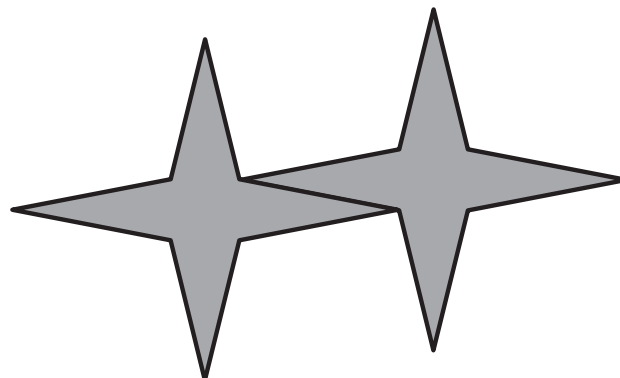
18 Lachlan has some star shaped tiles.

Not actual size.

Each edge of a tile is 3 cm long.



He puts two tiles together to make this shape.



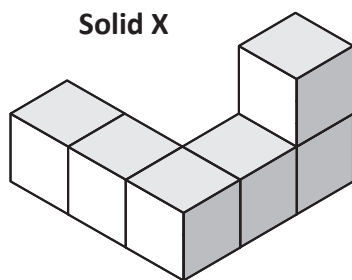
Work out the perimeter of Lachlan's shape.

cm

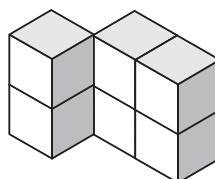
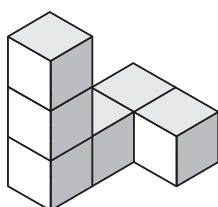
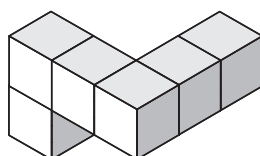
Write your answer in the box.



Solid X



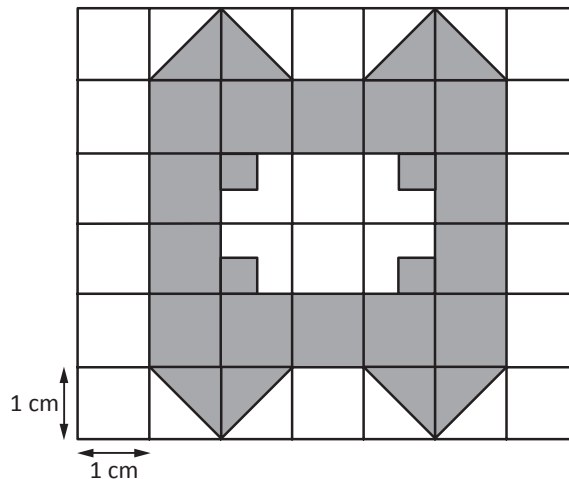
19 Shade the bubble under the solid that is NOT the same as Solid X.



Shade one bubble.



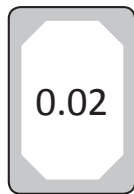
- 20 Here is a 1 cm square grid.
Some of the grid is shaded.



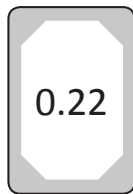
What is the area that is shaded?

19 cm²

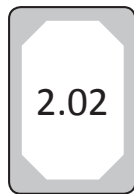
Write your answer in the box.



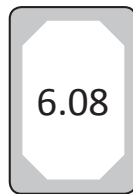
A



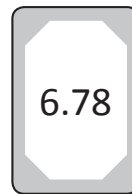
B



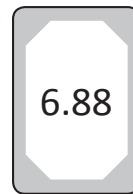
C



D



E



F

- 21 Which two cards add to give a total of 7?

A and E



B and E



B and F



A and D



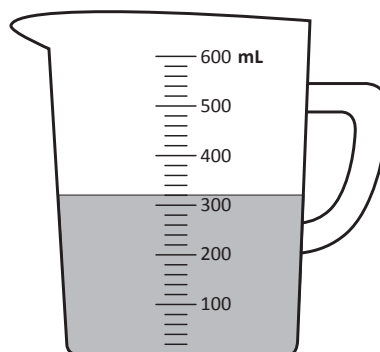
Shade one bubble.



- 22 Miss Bowman mixes some orange drink for a party.

She pours orange squash into a jug.

How much water must she add to make 500 millilitres of drink?



180 mL

Write your answer in the box.



23 This question is based on the table below:

Event	Team				
	1	2	3	4	5
Backstroke	20	12	15	13	12
Freestyle	15	11	20	15	18
Butterfly	14	20	17	14	12
Breaststroke	13	18	20	18	15

A school has a swimming carnival.

The winner of each event scores 20 points.

The above chart shows the points scored by each team.

Which team came second in the backstroke event?

3

Write your answer in the box.



The next 4 questions are based on this train timetable:

Pointville	2153	2228	2326	0028
Charlestown	2159	2234	2332	0034
Adventure Bay	2213	2248	2346	0048
Cascade	2232	X	0005	0107
Golden Valley	2258	2333	0031	Y

Write your answer in the boxes.



24 What is the missing time X written in 12-hour time?

11:07 pm

25 The train takes 6 minutes to travel between Pointville and

Charlestown

26 What is the time that is missing at Y, in 12-hour time?

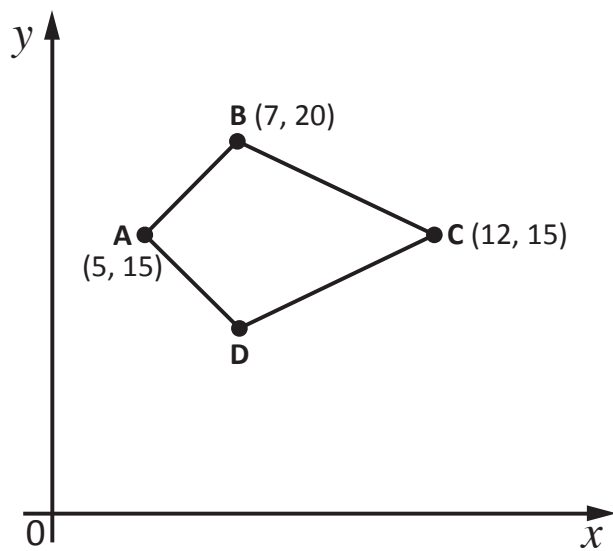
1:33 am

27 Tim and Sarah are at a party in Pointville. They live in Adventure Bay, and their dad is going to pick them up from Adventure Bay station at 10:48 pm.

If it takes them 15 minutes to walk to the station at Pointville, what is the latest time they should leave the party to go home?

10:13 or 22:13 pm

28 Here is a kite:



Write the coordinates of point D.

(7 , 10)

Write your answer in the box.

29 A sequence of numbers is shown below. The rule is written in words.

Multiply the last number by 4 and then subtract 3.

13 49 193 769

The sequence continues.

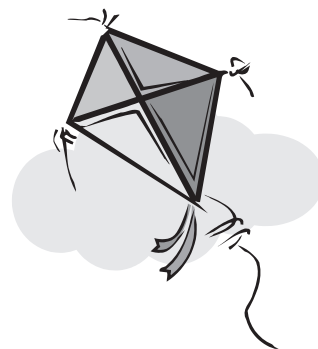
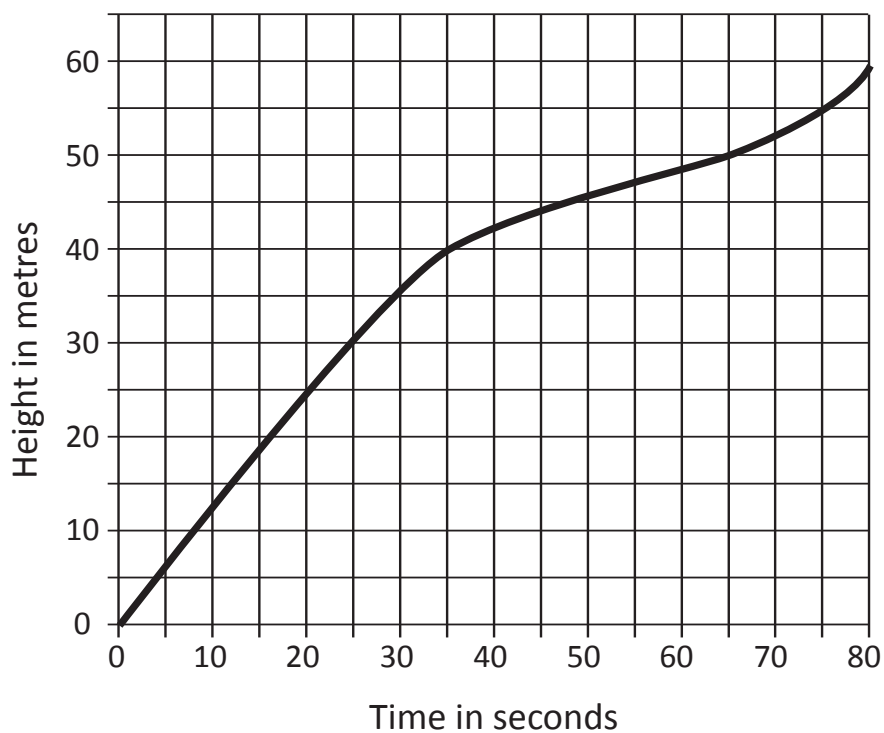
The number 49 153 is in the sequence.


Calculate the number which comes immediately before 49 153 in the sequence.

12 289

Write your answer in the box.

30 The next 2 questions are based on this graph:



Write your answer in the box. 

From the graph, find the height of the kite at 35 seconds.

metres

Use the graph to find how long it took the kite to rise from 25 metres to 40 metres.

seconds

END OF TEST