

5

## Band 3

2009

Student name

[illegible]

First name

[illegible]

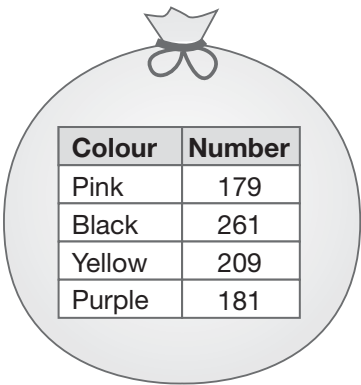
Last name



Northern  
Territory  
Government

81

This table shows the number of different-coloured jellybeans in a bag.



Jess picks one jellybean at random from the bag.  
The colour of the jellybean is most likely to be:

Pink

☐

Black

☐

Yellow

☐


Purple

☐

☐ 1  
☐ 0  
☐ M

82

This table shows the average speed of four cyclists in a race.

Cyclist		Average speed (km/h)
Mark		53.254
Tony		53.571
Michael		53.555
Hayden		53.187

Which cyclist had the fastest average speed?

Mark

☐

Tony

☐

Michael

☐

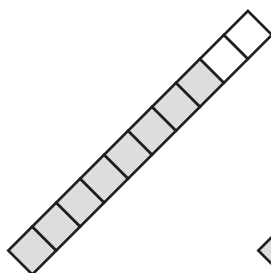

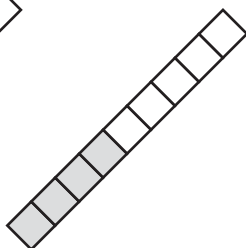
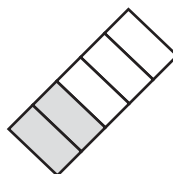
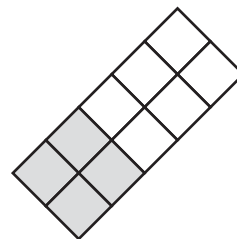
Hayden

☐

☐ 1  
☐ 0  
☐ M

83


In which diagram is four fifths shaded?

Shade one bubble. 
☐

☐

☐

☐
☐ 1  
☐ 0  
☐ M

84

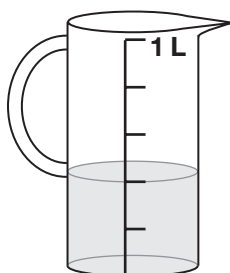

Write the missing number which makes the following true.

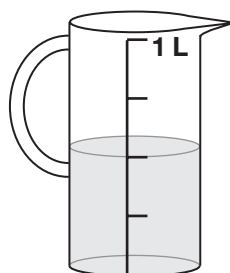
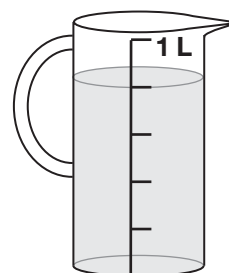
$$(28 - 6) - 4 \times 4 =$$

Write the answer in the box. 
☐ 1  
☐ 0  
☐ M

85

Water was poured into these jugs. Which jug is about 40 % full?

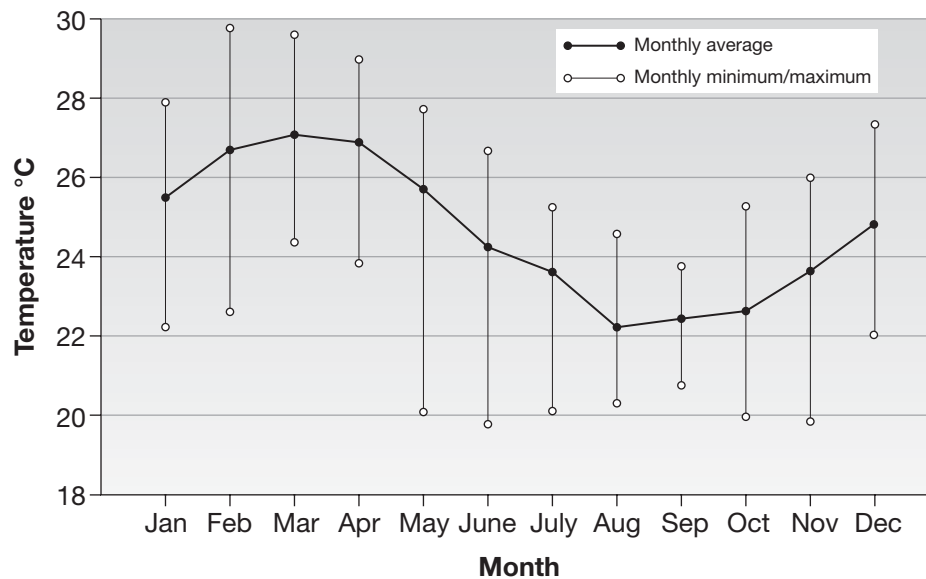
Shade one bubble. 
☐

☐

☐

☐
☐ 1  
☐ 0  
☐ M

This graph shows the temperature of the water at Blue Bay over one year.



**Blue Bay water temperatures**



(i) Which month had the warmest **average** water temperature?

Jan

☐

Feb

☐

Mar

☐

Apr

☐

☐ 1  
☐ 0  
☐ M

(ii) Which three months all had **average** water temperatures between 22°C and 23°C?

☐

Dec, Jan, Feb

☐

May, June, July

☐

June, July, Aug

☐

Aug, Sep, Oct

☐ 1  
☐ 0  
☐ M

(iii) The **range** of water temperatures for November was closest to:

3°C

☐

6°C

☐

20°C

☐

26°C

☐

☐ 1  
☐ 0  
☐ M

87

Here is a cinema's movie schedule.

Shade one  
bubble.

Town Cinema - MOVIE SCHEDULE - Monday to Friday			
Movie	Start	Finish	Running time (minutes)
Monsters	1:30 pm	2:55 pm	85
School's Out	1:45 pm	3:30 pm	?
Betty's Beetle	2:00 pm	3:15 pm	75
Top Town	?	3:45 pm	90

(i) What is the running time in minutes for School's Out?

45

☐

75

☐

90

☐

105

☐
☐ 1  
☐ 0  
☐ M

(ii) What time does the movie Top Town start?

1:45 pm

☐

2:15 pm

☐

2:30 pm

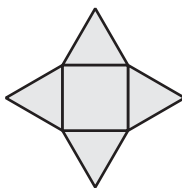
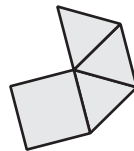
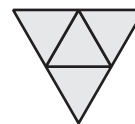
☐

2:45 pm

☐
☐ 1  
☐ 0  
☐ M

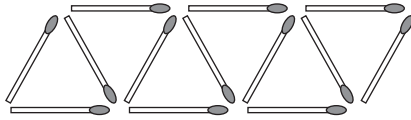
88

Which net when folded makes a triangular based pyramid?

☐☐☐☐
☐ 1  
☐ 0  
☐ M

89

This pattern made with matchsticks has six triangles.



How many matchsticks in total are needed to make nine triangles?

9

☐

13

☐

19

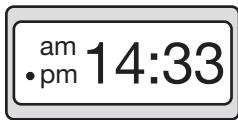
☐

27

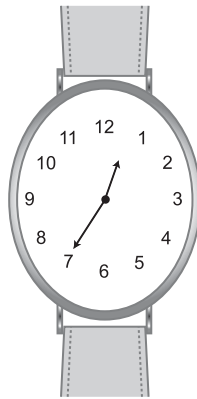
☐
☐ 1  
☐ 0  
☐ M

90

The correct time is shown on the digital clock.



**Correct time**



**Wrong time**

What is wrong with the time on the wrist watch?

☐

It is 1 hour 2 minutes slow.

☐

It is 1 hour 2 minutes fast.

☐

It is 1 hour 58 minutes slow.

☐

It is 1 hour 58 minutes fast.

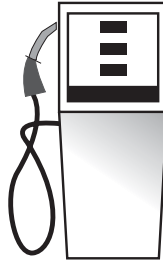
☐ 1  
☐ 0  
☐ M

91

Noni made this table showing the price of petrol for different towns around Australia.

Shade one bubble.

Town	Price per litre (cents)
Darwin	128·6
Katherine	124·8
Tennant Creek	136·5
Alice Springs	126·9
Cairns	115·2
Brisbane	106
Melbourne	114



- (i) In which town is the cost of petrol about 20 cents more than in Cairns?

Darwin

☐

Katherine

☐

Alice Springs

☐

Tennant Creek

☐

☐ 1  
☐ 0  
☐ M

- (ii) How much more does it cost to buy 50 litres of petrol in Melbourne than in Brisbane?

\$1·60

☐

\$4·00

☐

\$5·30

☐

\$5·70

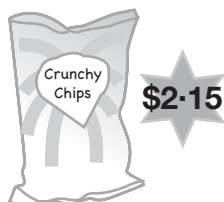
☐

☐ 1  
☐ 0  
☐ M

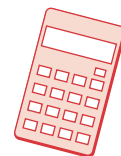


92

One bag of Crunchy Chips costs \$2·15.



Write the answer in the box.

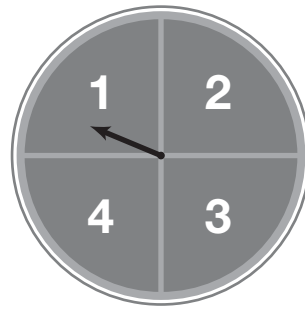
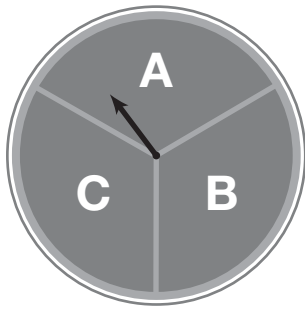


How much will seven bags cost?

☐ 1  
☐ 0  
☐ M

93

Lim spun these two spinners at the same time and got a result of A1.



Shade one bubble.



What is the total number of results possible?

3

☐

4

☐

7

☐

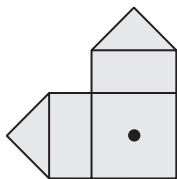
12

☐

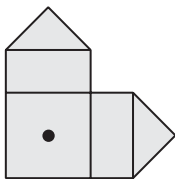
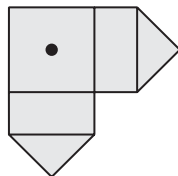
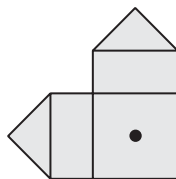
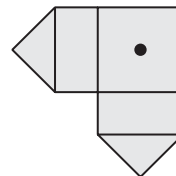
☐ 1  
☐ 0  
☐ M

94

Look at this shape.



Which picture shows the shape rotated  $90^\circ$  to the right about the dot?


☐

☐

☐

☐

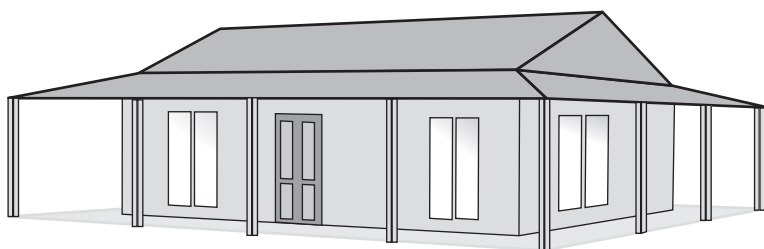
☐ 1  
☐ 0  
☐ M



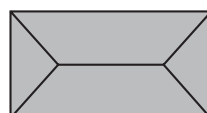
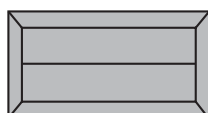
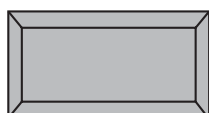
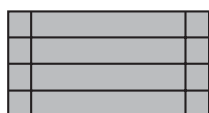
95

Here is a picture of a homestead.

Shade one bubble.



What does the homestead look like from above?



☐ 1  
☐ 0  
☐ M

96

A market day is held on Tuesdays from May to September. Look at this calendar.

JULY						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

What will be the date of the first market in August?

August 1



August 2



August 3



August 6



☐ 1  
☐ 0  
☐ M

97

Write the next number in this number pattern.

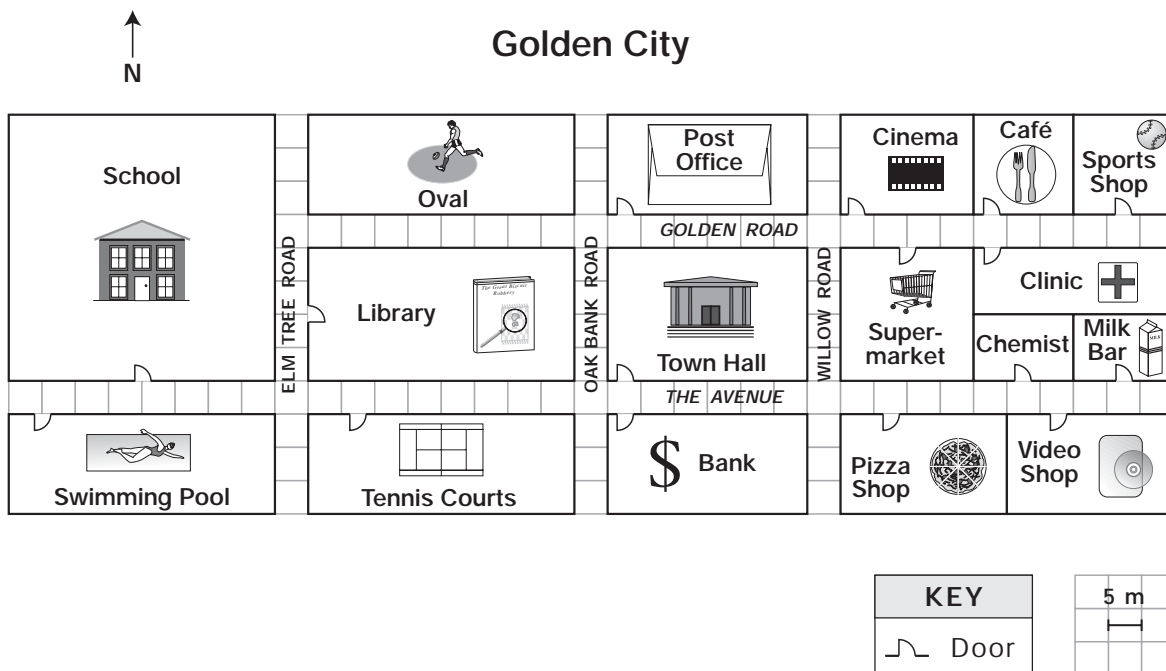
Write the answer  
in the box.

7 200 000, 360 000, 18 000, 900,

☐ 1  
☐ 0  
☐ M

98

Look at this map of Golden City.

Shade one  
bubble.

(i) What is south west of the Town Hall?

Oval

☐

Library

☐

Pizza Shop

☐

Tennis Courts

☐
☐ 1  
☐ 0  
☐ M
(ii) Jim left the Supermarket and walked east for 20 metres.  
What is on his left?

Café

☐

Clinic

☐

Town Hall

☐

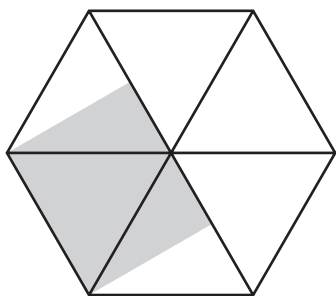
Post Office

☐
☐ 1  
☐ 0  
☐ M

99

What proportion of this regular hexagon is the rectangle?

Shade one bubble.



$$\frac{1}{2}$$

☐

$$\frac{1}{3}$$

☐

$$\frac{1}{4}$$

☐

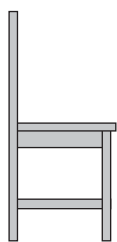
$$\frac{1}{6}$$

☐

☐ 1  
☐ 0  
☐ M

100

Here is a side view scale drawing of a child's chair.



0 10 cm

Estimate the total height of the child's chair.

40 cm

☐

50 cm

☐

60 cm

☐

70 cm

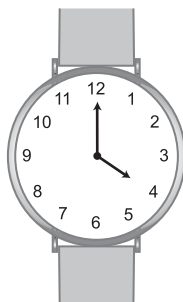
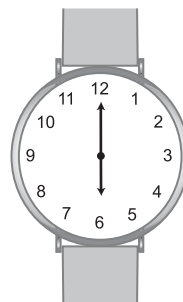
☐

☐ 1  
☐ 0  
☐ M

101

On which watch do the hands make an angle of  $60^\circ$ ?


☐

☐

☐

☐

☐ 1  
☐ 0  
☐ M

102

Dee had two full 2 L bottles of water.  
She used one full bottle and 400 mL from the second bottle.



How much water does she have left?

400 mL

☐

160 mL

☐

1400 mL

☐

1600 mL

☐
☐ 1  
☐ 0  
☐ M

103

Four students wrote their heights on the board.

Write the answer  
in the box.

Helen	1·4 m
Anne	1·47 m
Maria	1·07 m
Karen	1·34 m

Write their **heights** in order from shortest to tallest.

--	--	--	--

**shortest**

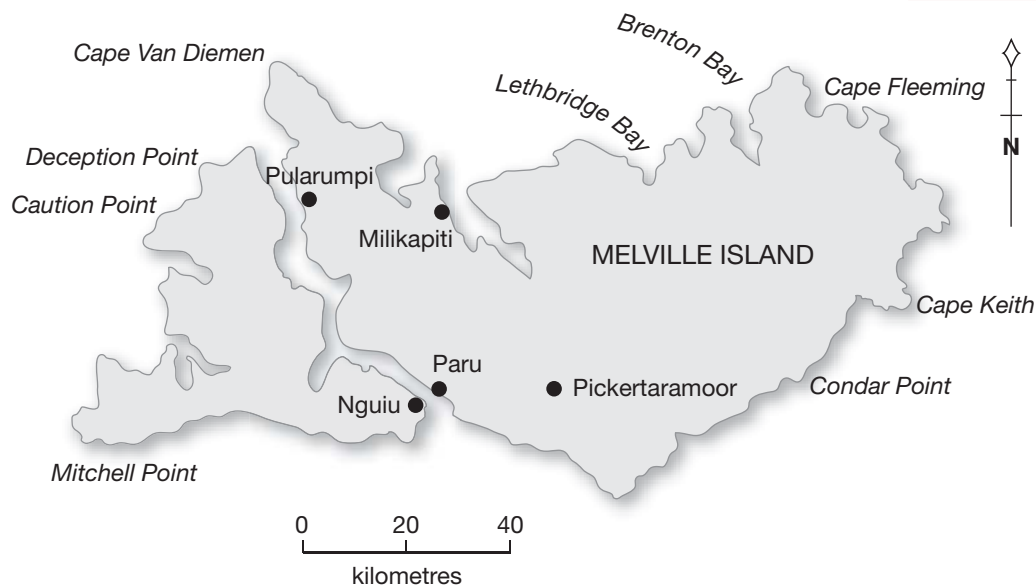
**tallest**

☐ 1  
☐ 0  
☐ M

104

Look at this map of Melville Island.

Shade one bubble.



- (i) The distance between Pularumpi and Pickertaramoor is closest to:

20 km

☐

40 km

☐

60 km

☐

80 km

☐

☐ 1  
☐ 0  
☐ M

- (ii) What direction is Pickertaramoor from Pularumpi?

NW

☐

NE

☐

SW

☐

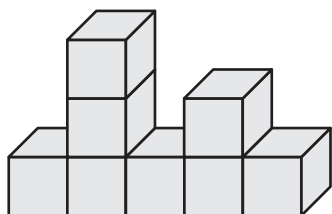
SE

☐

☐ 1  
☐ 0  
☐ M

105

Leo made this object using 8 similar cubes.  
He painted the outside faces, including those on the base.



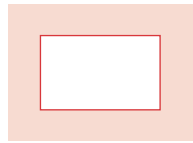
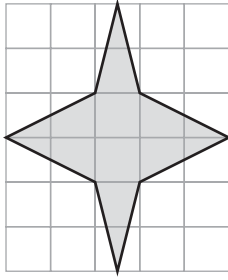
Write the answer in the box.

How many cubes have 5 painted faces?

☐ 1  
☐ 0  
☐ M

106

What is the area of this shaded shape?



square units

☐ 1  
☐ 0  
☐ M

107

Jade bought two train tickets that cost \$37.50 each.  
She paid with a \$100 note.

Which calculation would give her the correct change?

Shade one bubble.

☐  $100 - (2 \times 37.50) =$

☐  $(100 - 37.50) \times 2 =$

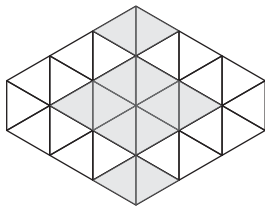
☐  $2 \times 37.50 - 2 =$

☐  $100 - 37.50 - 2 =$

☐ 1  
☐ 0  
☐ M

108

This shape has 30 triangles that are all the same size.



What percentage of the total shape is shaded?

12%

☐

24%

☐

30%

☐

40%

☐

☐ 1  
☐ 0  
☐ M

109

Which one of the following statements is true?

Shade one  
bubble.

☐

$0.5 > \frac{2}{5}$

☐

$\frac{1}{3} < 25\%$

☐

$\frac{3}{5} = 0.7$

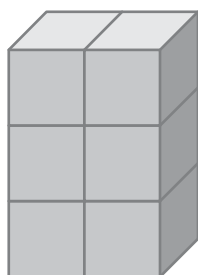
☐

$63\% > \frac{2}{3}$

☐ 1  
☐ 0  
☐ M

110

Rashid made this object using identical cubes.  
He wants to enlarge its dimensions by a scale  
of 2 using the same type of cubes.



How many cubes in total will his shape now have?

12

☐

24

☐

48

☐

60

☐

☐ 1  
☐ 0  
☐ M

BAND 3 ENDS HERE