

**Measurement Items**

Approach: Independent

Level: Year 4 and year 8

Resources: None

Questions/instructions

% responses



**BIRTH DATES**

1. Tui's birthday is the 25th of August.  
How many months does she have to wait until Christmas day, the 25th December?

Answer: 4 months.

y4 y8

36 67

Sara was born on the 20th June 1990.  
Her friend was born on the 20th March 1991.

2. Is her friend younger or older? younger

53 80

3. How many months younger or older?

Answer: 9 months

8 35

4. Jo was born on the 8th May 1989.

How old will she be on the 8th December 1997?

Answer: 8 years 7 months.

8 65

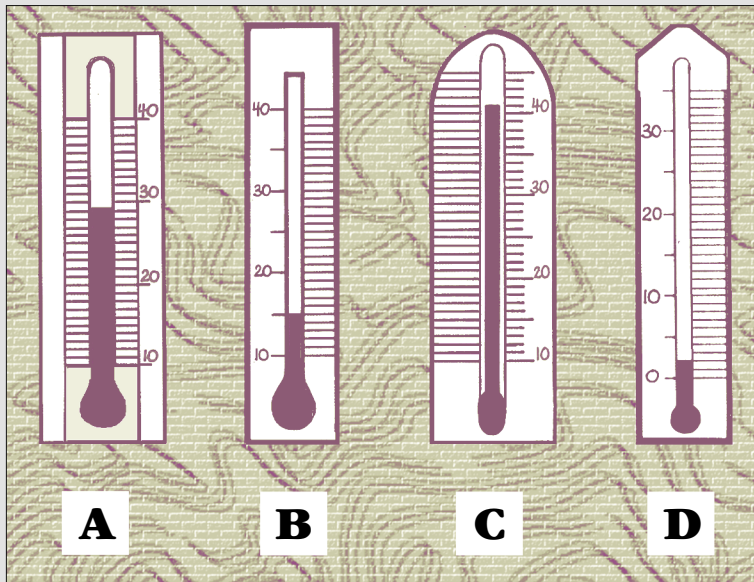
5. Tama was 12 on the 15th July 1997.

How old will he be on the 15th of May 2003?

Answer: 17 years 10 months.

18

**THERMOMETERS**




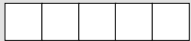
6. Write the letters for the thermometers in order, from the coldest to the hottest temperature.

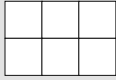
coldest D B A C hottest

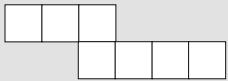
order correct 80

7. Which has the largest areas? % responses  
y4 y8

a. 

b. 

c. 

d. 

d 78

8. How many metres right around the edge of the garden? b 55

a. 15  
b. 30  
c. 40  
d. 50

5 metres

**Garden**

10 metres

**TEMPERATURES**

Here are the temperatures on 1st January in six different places.

Chicago	-17° ✓
Hamilton	23°
Honolulu	28°
Invercargill	17°
London	3°
New York	-6°



9. Put a tick beside the lowest temperature. 77

10. Draw the highest temperature on the picture of the thermometer. 76

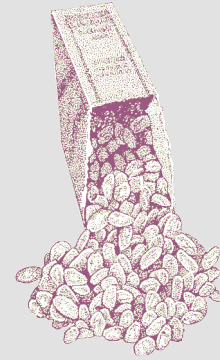
11. Write the temperatures in order from lowest to highest. 71

-17, -6, 3, 17, 23, 28

12. What is the average (mean) temperature for the 6 places? Show how you worked this out. 16

correct, 8°

correct method, computational error 5



**NUTS**

Nuts are packed in 1 kilogram boxes. Everyone at a class camp will get 200g of nuts.

13. How many boxes will be needed for 30 people?

Show how you work this out.

6 boxes 41

correct method, but computational error 3

one part of 2 part problem correct 6