

PROCEDURAL

4EP14

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ 05 2014

Total score (maximum 35)

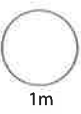
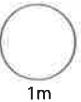
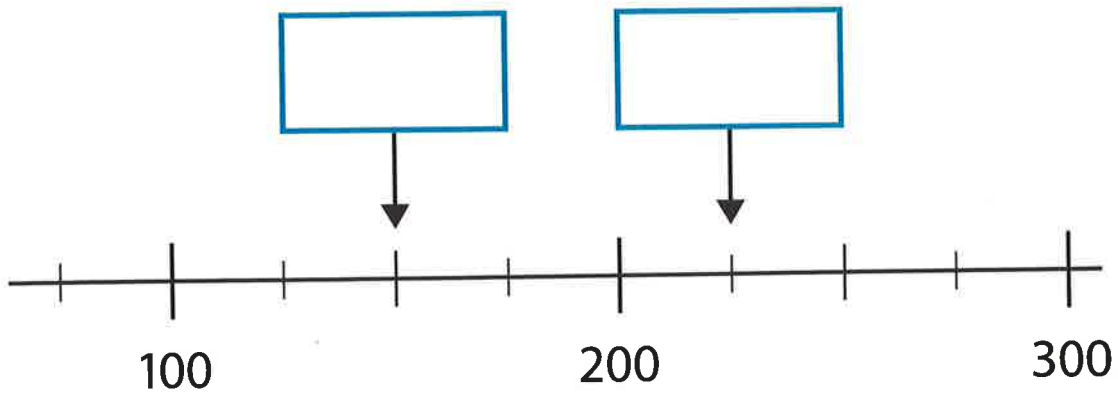


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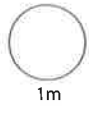


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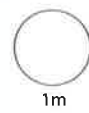
1 What numbers are the arrows pointing to?



2 Round 138 to the nearest 10

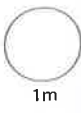


Round 138 to the nearest 100



3 Count **back** in tens.

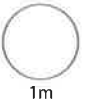
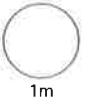
347 → 337 → 327 → 317 → →



4

$$341 + 76 = \boxed{}$$

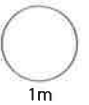
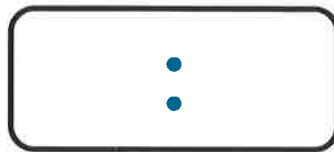
$$117 - 69 = \boxed{}$$



5

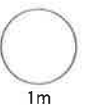
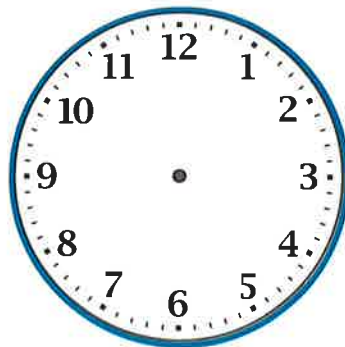
Beth leaves home at **quarter to eleven** in the morning.

Write this time on the digital clock below.



Beth gets home at 17:20

Draw the clock hands to show this time.



6 Write the missing values.



The same amount is added each time.


$$\boxed{\pounds} \rightarrow \pounds 2.40 \rightarrow \pounds 3.60 \rightarrow \pounds 4.80 \rightarrow \boxed{\pounds}$$

2m

7

Number of ice creams sold one weekend

Saturday	
Sunday	

Key:  = 6 ice creams

More ice creams were sold on Saturday than on Sunday.

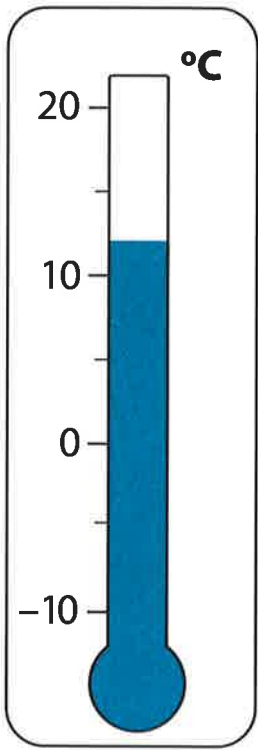
How many more?



more

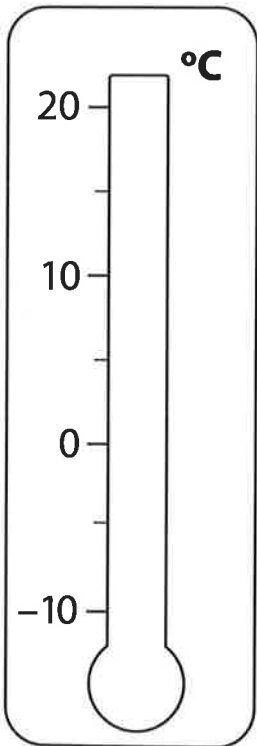
2m

8



Welshpool

What is the temperature in **Welshpool**?

 °C

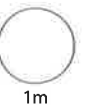
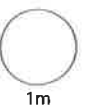
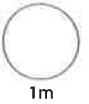
Oslo

The temperature in Oslo is -5°C .

Show this on the **Oslo** thermometer.

The temperature in Oslo **increases** by 3°C .

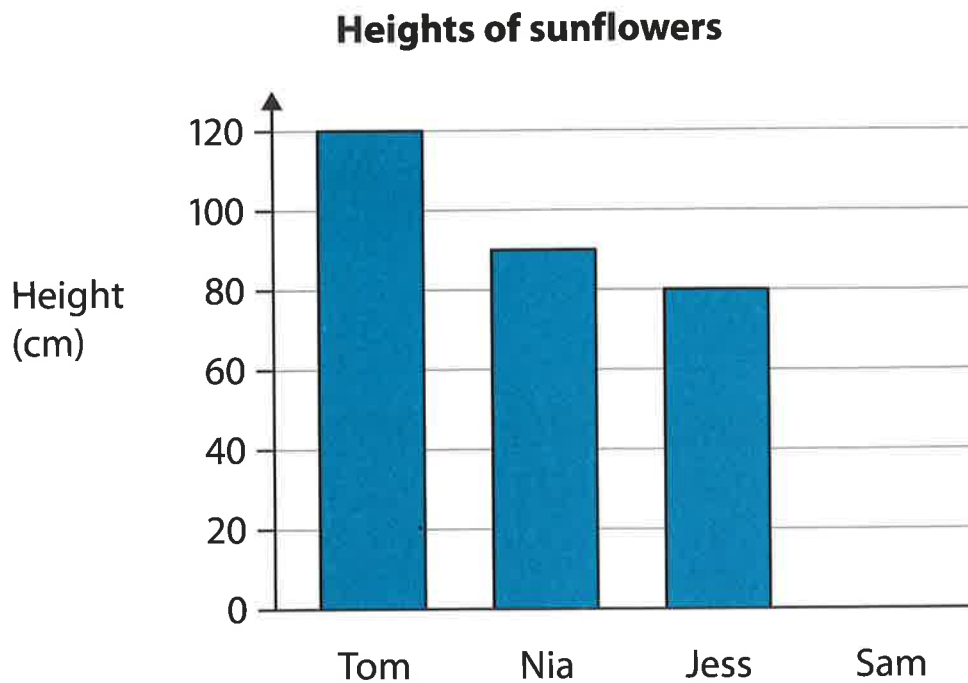
Write the new temperature.

 °C

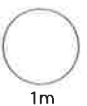
TOTAL



- 9 Some children grow sunflowers.



How tall is **Nia's** sunflower?

cm

Sam's sunflower is **100**cm tall.

Show this on the bar chart.



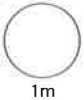
Tom wants his sunflower to be $1\frac{1}{2}$ metres tall.

How many **more** centimetres does it need to grow?

cm

10



$$86 \times 5 = \boxed{}$$



1m

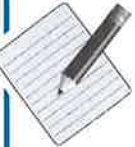
11

Cards

	
Small 40p	Large 60p

Megan buys 3 **small** and 4 **large** cards.

How much does she pay?



£



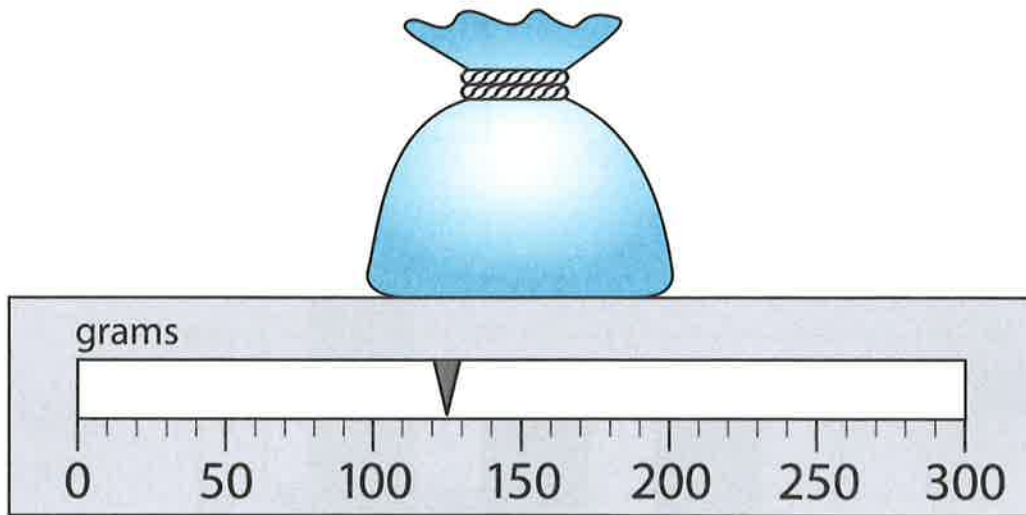
2m



TOTAL

6m

12



How much does the bag weigh?

grams



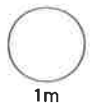
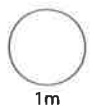
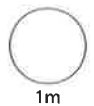
These 3 books weigh 900 grams.

How much does 1 book weigh?

grams

13

Find $\frac{1}{10}$ of 120



- 14 One box holds 6 eggs.



Alun has 84 eggs to put in boxes.

How many boxes does he need?

boxes



- 15 Sort 14, 17 and 20 into the diagram.

	numbers in the 2-times table	numbers not in the 2-times table
numbers in the 4-times table		
numbers not in the 4-times table		



TOTAL



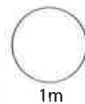
16

Double 170

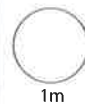
=

$3\frac{1}{2} \times 10$

=



1m

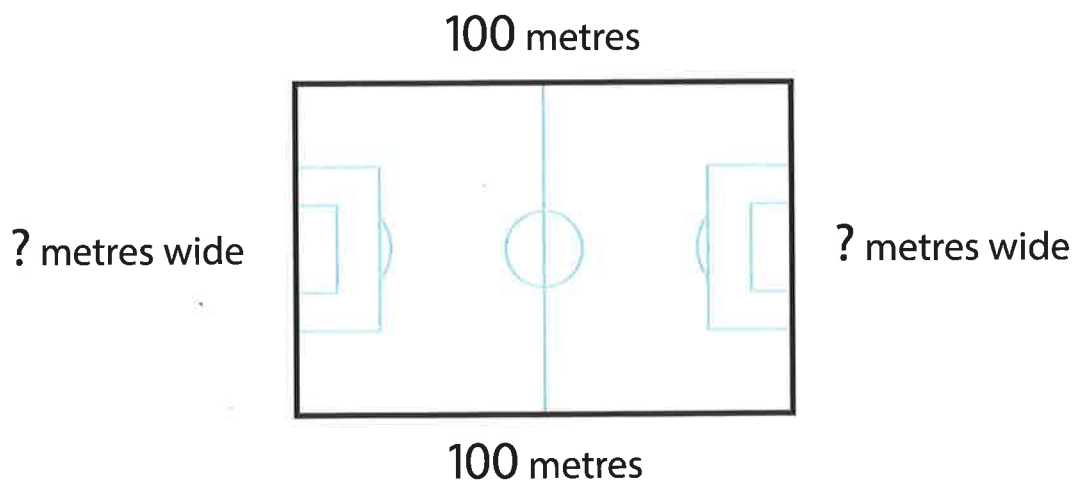


1m

17

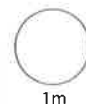
This football field is a rectangle.

It is 100 metres long.



The **perimeter** of the football field is 320 metres.

How many metres wide is it?

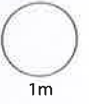


1m

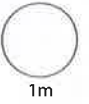
18

$$\times 8 = 240$$

$$\div 5 = 90$$



1m



1m

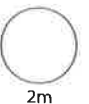
19



Each tin: 90p
Special offer:
two tins for £1.45

Ben needs **two** tins.

How much does he save by buying the special offer?


 p

2m



TOTAL

7m

National Numeracy Tests

PROCEDURAL

4EP14

Markscheme




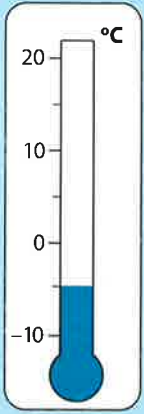
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4EP14 Procedural test: Markscheme

Q	Marks	Answer	Comments
1i	1m	150 in first answer box	
1ii	1m	225 in second answer box	
2i	1m	140	
2ii	1m	100	
3	1m	307 then 297	Both required for the mark
4i	1m	417	
4ii	1m	48	
5i	1m	10:45	
5ii	1m		Accept hour hand between 5 and halfway to 6 The hour hand must not be longer than the minute hand

Q	Marks	Answer	Comments
6	2m	£1.20 then £6	Both correct for 2m
	Or 1m	Any one correct	
7	2m	15 more	
	Or 1m	Shows $3 + 6 + 6$ Or Shows 54 or 39 Or Incorrect answer, but shows a method that would lead to 15 more if calculated correctly, and contains not more than one numerical error	
8i	1m	12°C	Accept 11°C to 13°C inclusive
8ii	1m		Accept any unambiguous indication, e.g. arrow
8iii	1m	-2°C	

Q	Marks	Answer	Comments									
9i	1m	90cm	Accept 88cm to 92cm inclusive									
9ii	1m	Draws a bar of height 100cm	Accept a bar of incorrect or varying width, including a line									
9iii	1m	30cm										
10	1m	430										
11	2m	£3.60										
	Or 1m	Shows 360 or 3.6 Or Shows 120 or 1.20 or 1.2 Or Shows 240 or 2.40 or 2.4 Or Incorrect answer, but shows a method that would lead to £3.60 if calculated correctly, and contains not more than one numerical error										
12i	1m	125 grams	Accept 123 grams to 127 grams inclusive									
12ii	1m	300 grams										
13	1m	12										
14	1m	14 boxes										
15	2m	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>numbers in the 2-times table</th> <th>numbers not in the 2-times table</th> </tr> </thead> <tbody> <tr> <th>numbers in the 4-times table</th> <td>20</td> <td></td> </tr> <tr> <th>numbers not in the 4-times table</th> <td>14</td> <td>17</td> </tr> </tbody> </table>		numbers in the 2-times table	numbers not in the 2-times table	numbers in the 4-times table	20		numbers not in the 4-times table	14	17	All three correct for 2m
	numbers in the 2-times table	numbers not in the 2-times table										
numbers in the 4-times table	20											
numbers not in the 4-times table	14	17										
	Or 1m	Any two correct										

Q	Marks	Answer	Comments
16i	1m	340	
16ii	1m	35	
17	1m	60 metres	
18i	1m	30	
18ii	1m	450	
19	2m	35p	
	Or 1m	Shows 180 or 1.80 or 1.8 Or Incorrect answer, but shows a method that would lead to 35p if calculated correctly, and contains not more than one numerical error	