10 Question Challenge 2

Q1. Lily finished **2nd** out of **8 runners** in a race.

How many runners finished the race **after** Lily?

..... 1 mark

Max was in a **different** race.

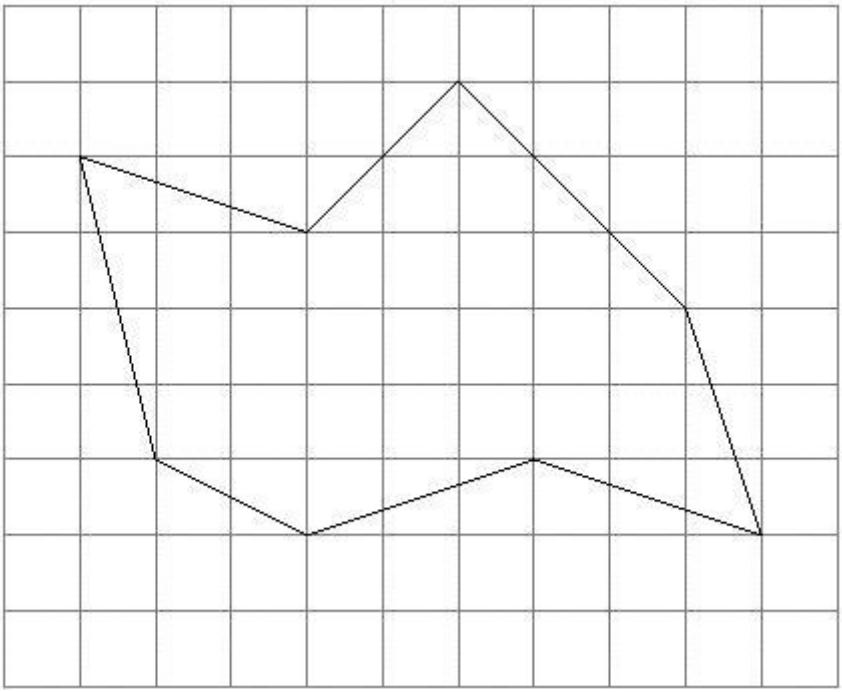
7 runners finished the race **before** Max.

3 runners finished the race **after** Max.

Altogether, how many runners finished the race?

..... 1 mark

Q2. Look at the shape drawn on a square grid.



(a) What is the name of the shape?

Put a ring round the correct name below.

hexagon quadrilateral octagon

pentagon parallelogram

1 mark

(b) One of the angles inside the shape is a **right angle**.

Mark the right angle on the shape above.

1 mark

Q3. In a school, lessons are **55 minutes** long.

(a) A maths lesson **starts** at 9:15am

At what time does the lesson **end**?

..... : ..... am

1 mark

(b) A history lesson **ends** at 3:30pm

At what time does the lesson **start**?

..... : ..... pm

1 mark

(c) Lunch break is $1\frac{1}{4}$ **hours** long.

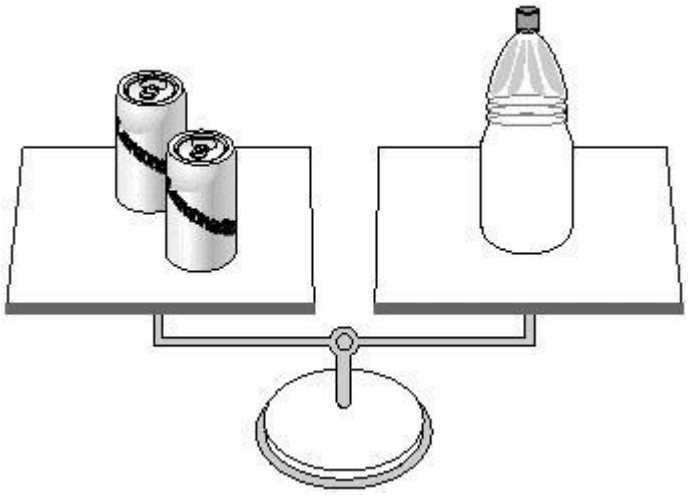
Lunch break **ends** at 1:30pm

At what time does it **start**?

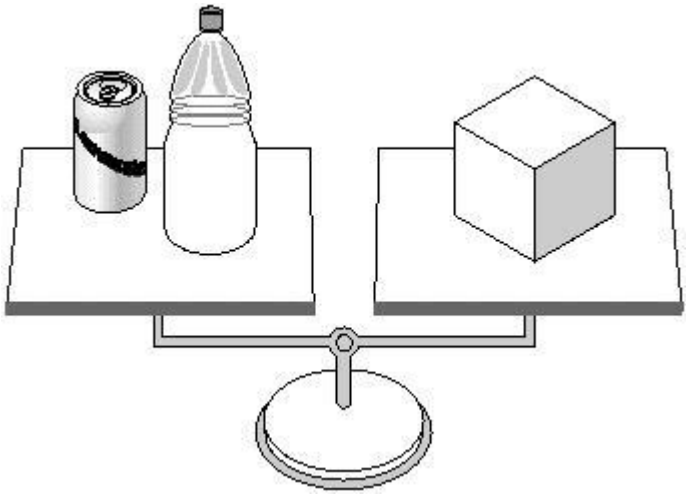
..... : ..... pm

1 mark

Q4. 2 tins balance 1 bottle.



1 tin and 1 bottle balance 1 box.



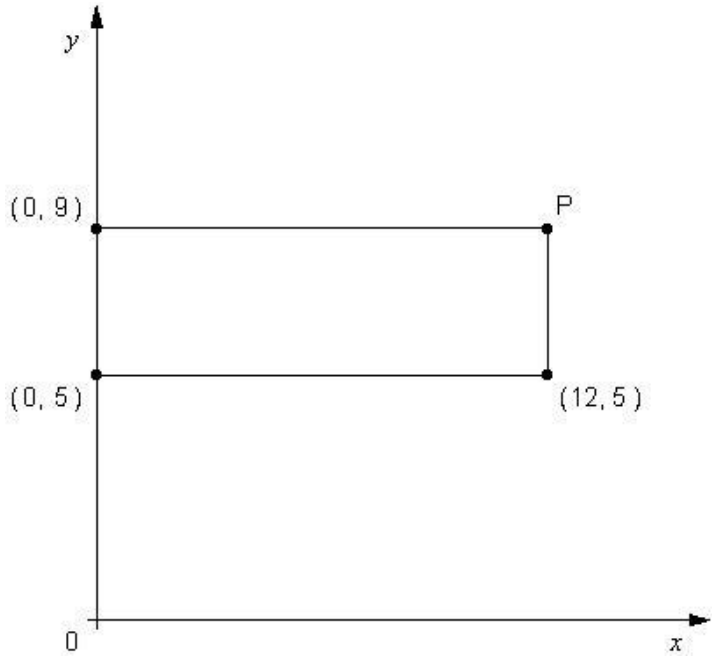
(a) How many **bottles** do **6 tins** balance?

..... 1 mark

(b) How many **boxes** do **6 tins** balance?

..... 1 mark

Q5. The graph shows a **rectangle**.



Not drawn accurately

Write the coordinates of point P

(..... , ...)

2 marks

Q6. Write the missing numbers.

962 + ... = 1898

1 mark

..... – 403 = 982

1 mark

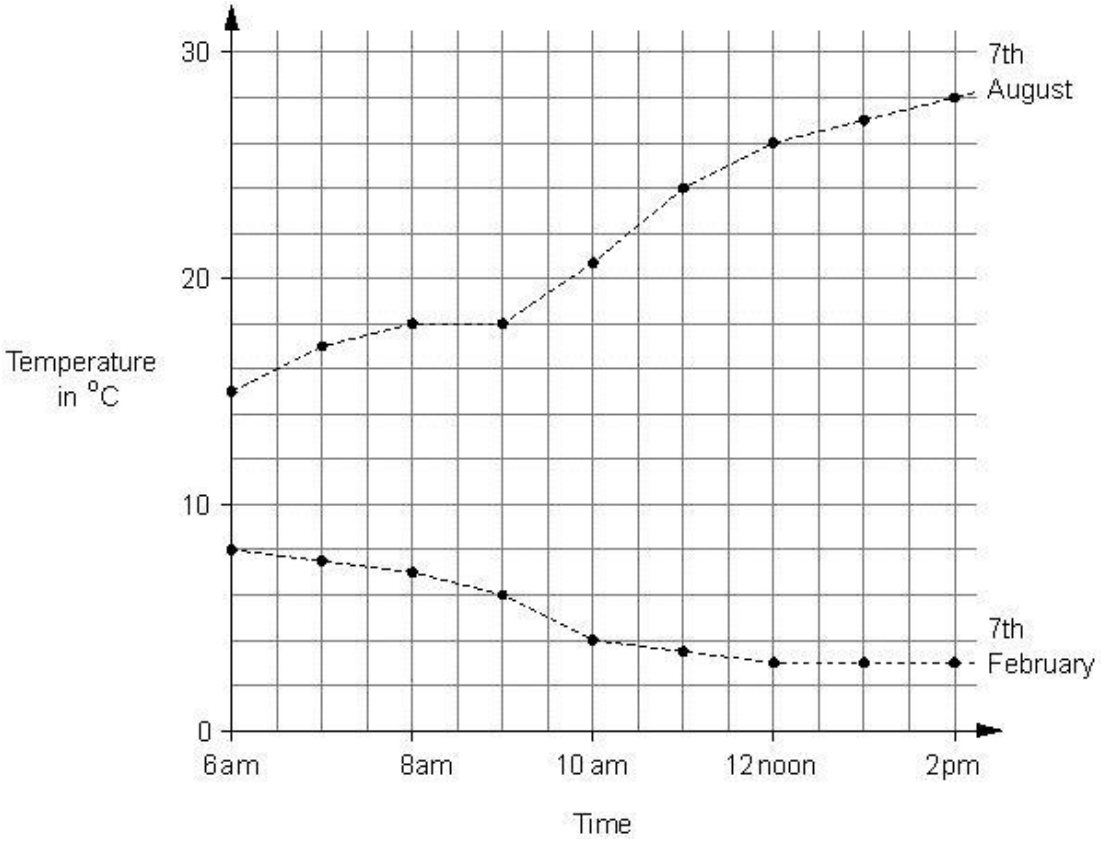
51 × ..... = 2397

1 mark

..... ÷ 23 = 828

1 mark

Q7. The graph shows the temperature in a town between 6am and 2pm on 7th February and 7th August one year.



(a) Estimate as accurately as you can the time when the temperature reached 20°C on 7th August.

..... am

1 mark

(b) What was the difference between the temperatures at 12 noon on the two days?

..... °C

1 mark

(c) On 7th February between 6am and 2pm the temperature dropped.

How many degrees did the temperature drop?

..... °C

1 mark

Q8. (a) When ***y* = 1**, which expression below has the **largest value**?

Put a ring round it.

$3 + y$ $10 - y$ y^2

$3y$ $\frac{y}{2}$

1 mark

(b) When ***y* = 4**, which expression below has the **largest value**?

Put a ring round it.

$3 + y$ $10 - y$ y^2

$3y$ $\frac{y}{2}$

1 mark

(c) Write a number to make the sentence below true.

When ***y* =** ....., the expression **3 + *y*** has a **larger value** than the expression **3*y***

1 mark

Q9. Write numbers in the boxes so that the fractions are in size order.

$\frac{1}{4}$ $\frac{\square}{7}$ $\frac{1}{\square}$ $\frac{3}{5}$ $\frac{2}{\square}$

2 marks

Q10. A bag contains coloured beads.

The table shows numbers and fractions of each colour.

Write the missing numbers and fractions in the table.

Colour	Number of beads	Fraction
Blue	12	
Red		$\frac{1}{12}$
Green	4	
Other		$\frac{1}{4}$

2 marks