

**Year 4**  
**Block 3 Assessment**  
**Paper 1**  
**(Answers at the end of the quiz)**



## Question 1

Write the missing number in the empty box.

$$\square + 9 = 25$$

$$32 - \square = 29$$

$$94 + \square = 110$$

$$\square - 12 = 25$$

$$89 + 21 = \square$$

$$\square - 19 = 60$$



## Question 2

Fill in the missing sign  $<$  ,  $>$  or  $=$ .

a)  $24 + 4$    $12 \times 2$

b)  $6 \times 6$    $3 \times 12$

c)  $20 - 7$    $20 \div 10$

d)  $30 \div 3$    $21 - 10$



## Question 3

Which of these is the best approximation for **897 + 406**?

Put a ring round the one you choose.

$800 + 400$

$950 + 410$

$97 + 400$

$900 + 400$

$800 + 5$



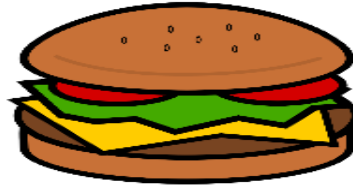
## Question 4



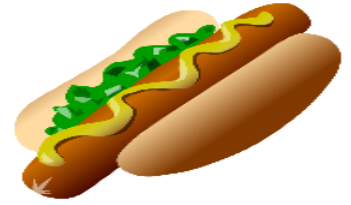
**Drink**  
**69p**



**Pizza**  
**£5.89**



**Hamburger**  
**£1.49**



**Hotdog**  
**£1.32**

a) What is the cost of the pizza and the drink?

b) What is the difference in price between the pizza and the Hot Dog?

## Question 5

# Calculate

a) 
$$\begin{array}{r} 188 \\ +245 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 287 \\ +534 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 474 \\ 248 \\ +157 \\ \hline \end{array}$$



# Calculate

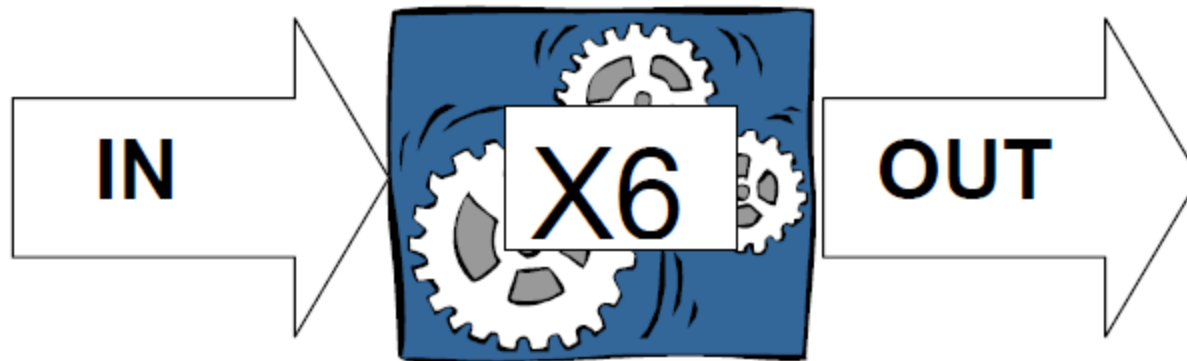
$$\begin{array}{r} \text{a)} \quad 357 \\ - 125 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 465 \\ - 178 \\ \hline \end{array}$$



## Question 7

Write the missing numbers going in and coming out of the number machine.



IN	1	3	6	2			5	
OUT	6				24	60		42



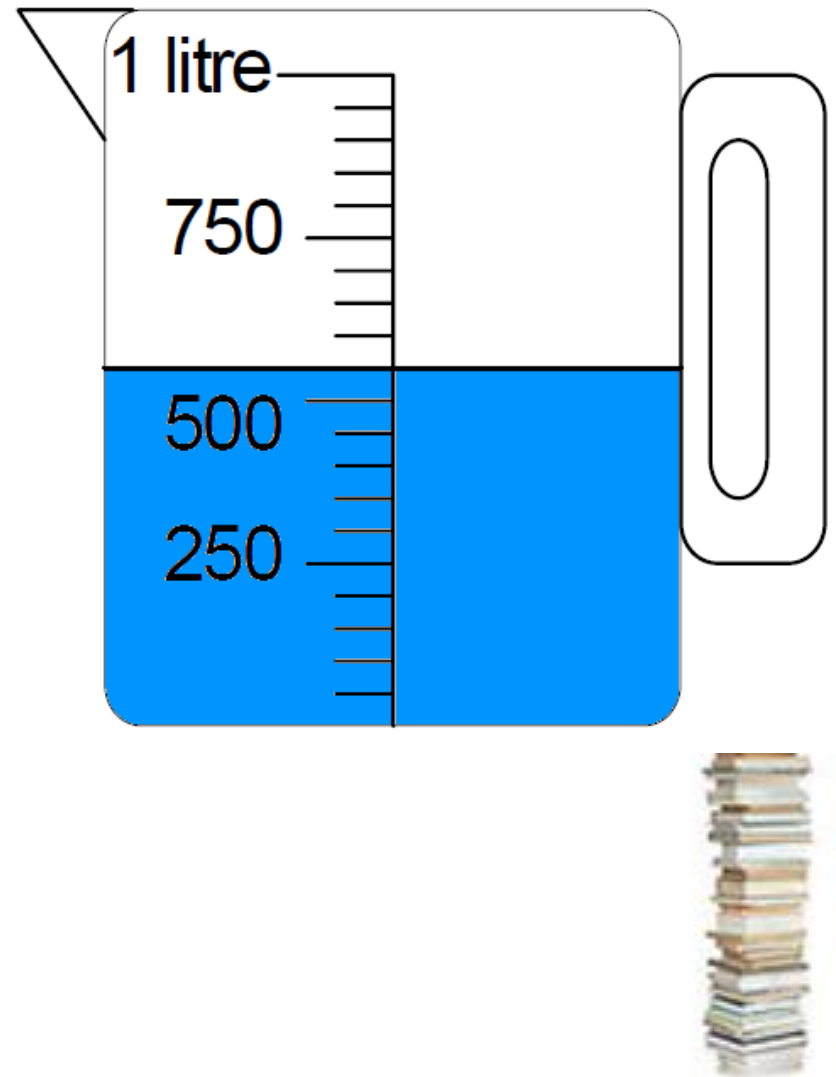


## Question 8

Pennies collected from the fun fair machines were counted and put into bags each day. How many pennies were in each bag?

	MON	TUES	WED	THURS	FRI	SAT	SUN
£	23	17	26	31	57	79	116
pennies							

a) How much water is in the jug?



b) A bottle of medicine holds 100ml.

Tom must take 5ml twice a day. How long will the bottle last?



## Question 10

If you could only use these numbers and symbols, how could you make the number 32?

(You may use them as often as you wish.)

4

9

-

x

=



## Question 11

Write these temperatures in order from coldest to hottest.

17°C

-12°C

-2°C

12°C

37°C

23°C

hottest

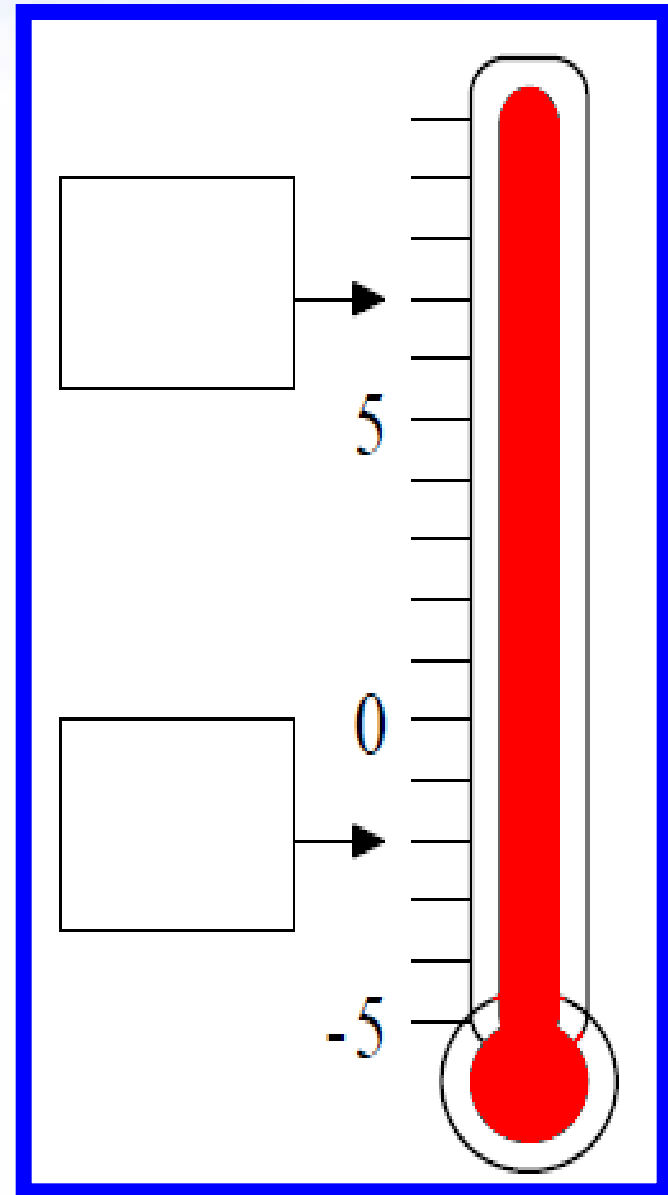

coldest



## Question 12

a) Write the temperatures shown by the arrows.

b) By how many degrees did the temperature rise?



## Question 13

Continue the sequence  
in both directions.

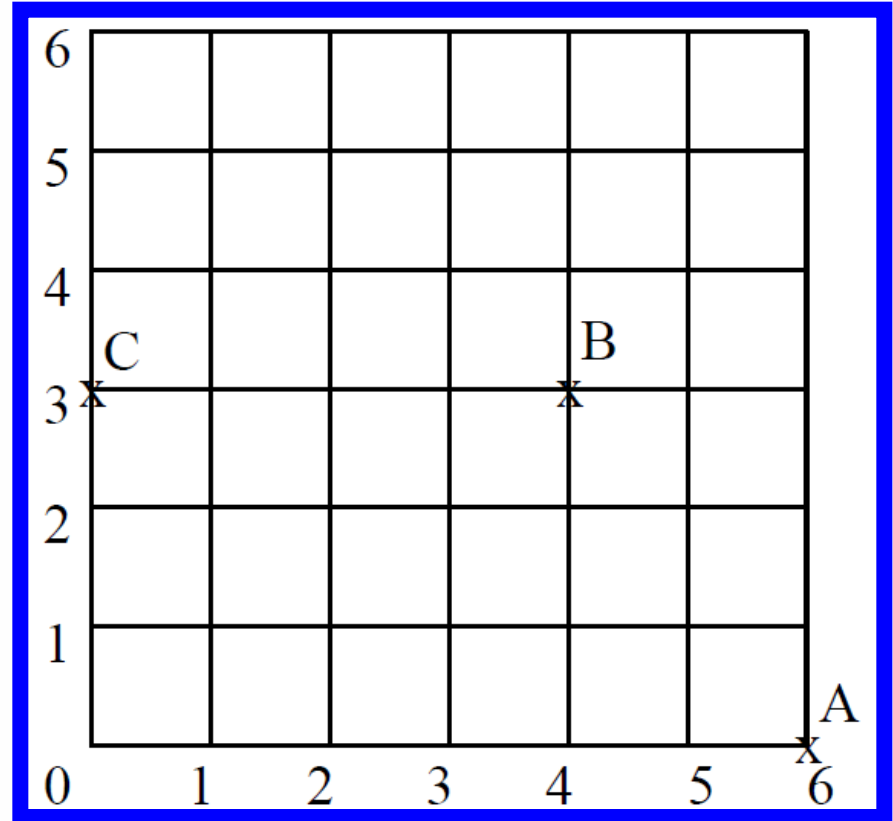


a) Write the coordinates of each point:

A( \_\_\_ , \_\_\_ )

B( \_\_\_ , \_\_\_ )

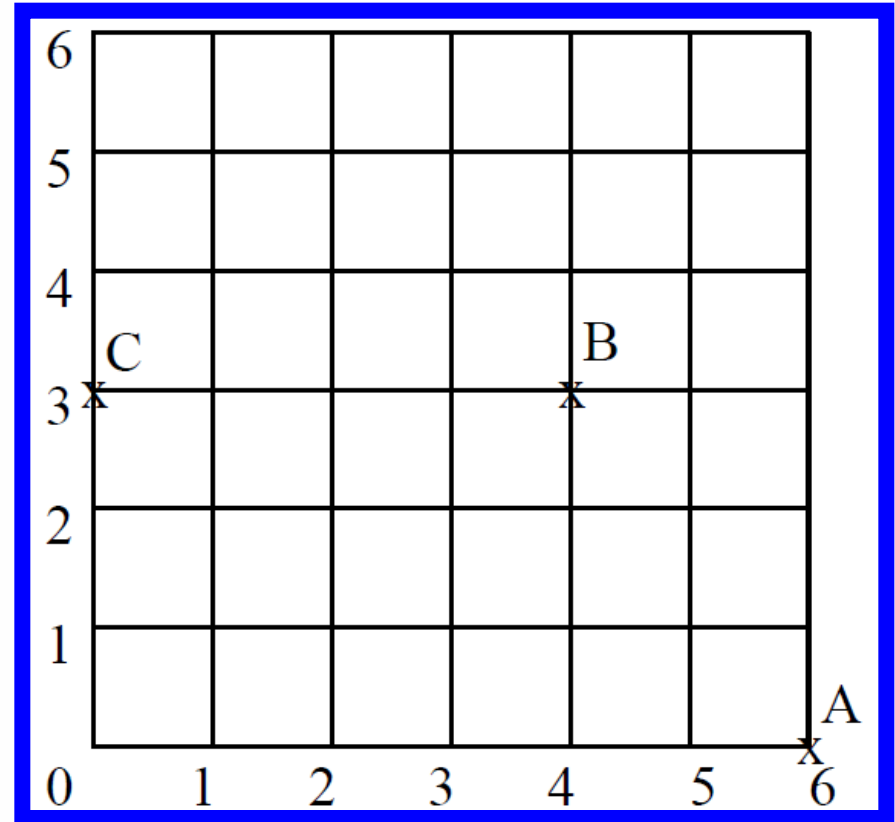
C( \_\_\_ , \_\_\_ )



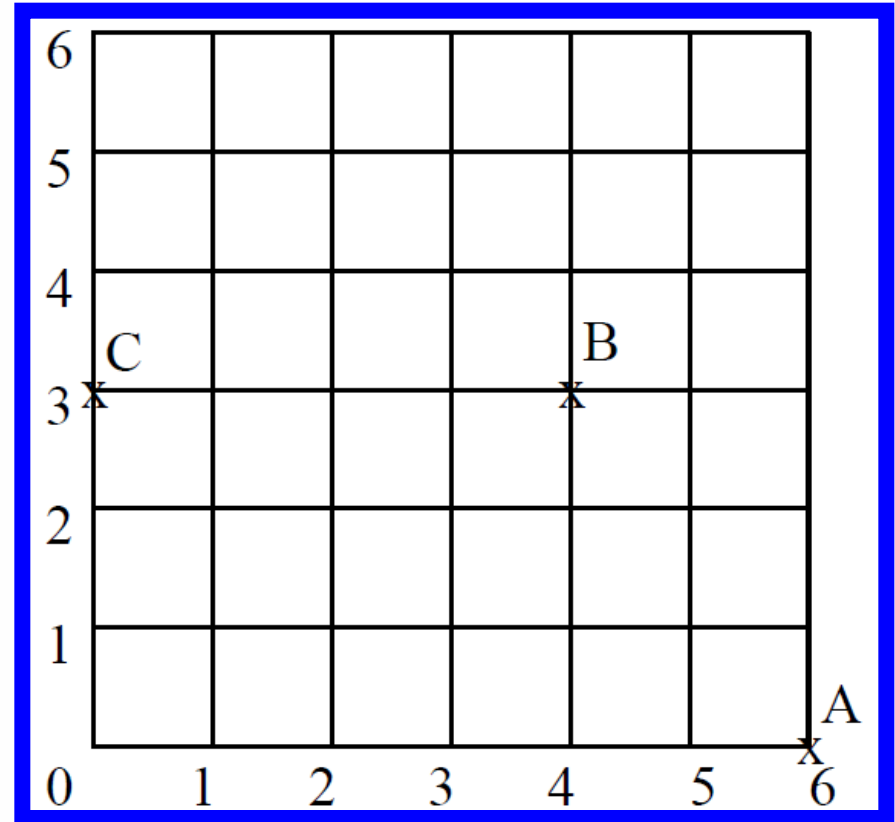


## Question 14a

b) Draw a cross at point D ( 2,0 )



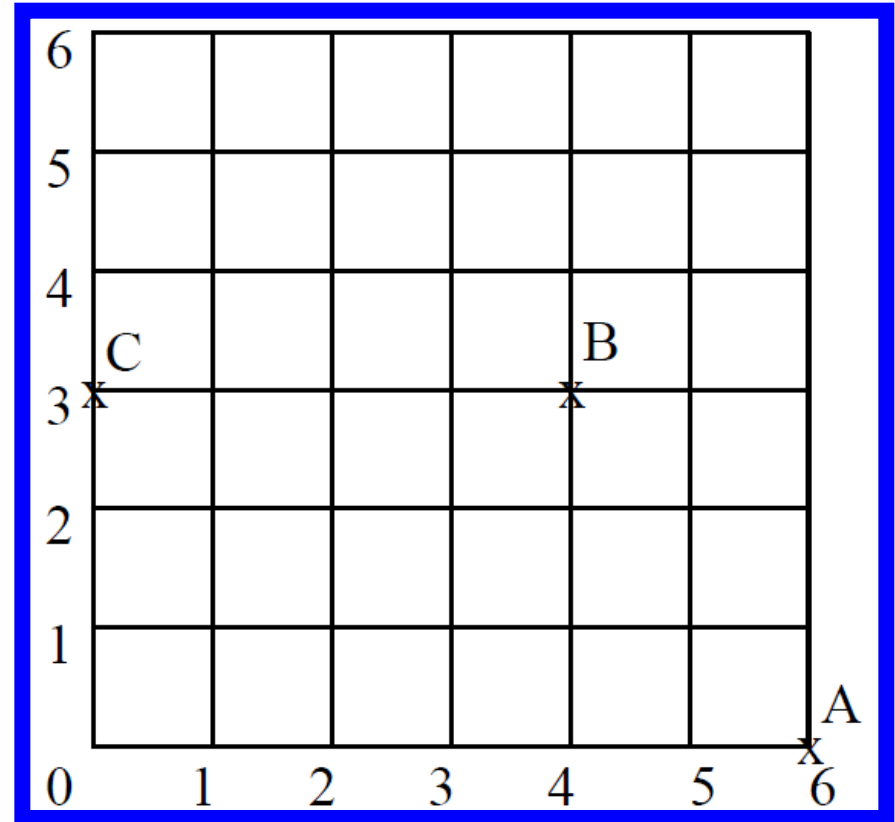
c) If you travel north-east in a straight line from D ( 2,0), do you arrive at point A, B or C?



**Yes** or **No**?



d) To return to point D ( 2,0 ), in what direction would you travel?



# Answers

Quest. No.	Level	Answer	Comments 27 marks in total																
1	3b	$16 + 9 = 25$ $32 - 3 = 29$ $94 + 16 = 110$ $37 - 12 = 25$ $89 + 21 = 110$ $79 - 19 = 60$	2 marks for all correct. 1 mark for at least 3 correct.																
2	3b	a) $24 + 4 > 12 \times 2$ b) $6 \times 6 = 3 \times 12$ c) $20 - 7 > 20 \div 10$ d) $30 \div 3 < 21 - 10$	2 marks for all correct. 1 mark for at least 2 correct.																
3	3b	$900 + 400$	1 mark.																
4	3b	a) £ 6.58      b) £ 4.57	1 mark for each answer																
5	3b	a) 433    b) 821      c) 879	1 mark for each answer																
6	3b	a) 232      b) 287	1 mark for each answer																
7	3a	<table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>1</td><td>3</td><td>6</td><td>2</td><td>4</td><td>10</td><td>5</td><td>7</td></tr> <tr> <td>6</td><td>18</td><td>36</td><td>12</td><td>24</td><td>60</td><td>30</td><td>42</td></tr> </tbody> </table>	1	3	6	2	4	10	5	7	6	18	36	12	24	60	30	42	2 marks for all correct. 1 mark for at least 4 correct.
1	3	6	2	4	10	5	7												
6	18	36	12	24	60	30	42												

# Answers

8	4c	<table border="1"><tbody><tr><td>£</td><td>23</td><td>17</td><td>26</td><td>31</td><td>57</td><td>79</td><td>116</td></tr><tr><td>p</td><td>2300</td><td>1700</td><td>2600</td><td>3100</td><td>5700</td><td>7900</td><td>11600</td></tr></tbody></table>	£	23	17	26	31	57	79	116	p	2300	1700	2600	3100	5700	7900	11600	2 marks for all correct. 1 mark for at least 4 correct.
£	23	17	26	31	57	79	116												
p	2300	1700	2600	3100	5700	7900	11600												
9	4c	a) 550 ml                      b) 10 days	1 mark for each answer																
10	3b	Various possible answers	1 mark																
11	3b	37°C, 23°C, 17°C, 12°C, -2°C, -12°C	1 mark																
12	3b	a) 7, -2 b) 9°C	1 mark 1 mark																
13	3b	19, 16, 13, 10, 7, 4, 1, -2, -5	1 mark for all correct																
14	4b	a) A(6,0)    B(4,3)    C(0,3) b) D(2,0) c) B d) SW	1 mark 1 mark 1 mark 1 mark																

# Level

## Draft Level Thresholds Y4 Block 3

Below level 2	Level 2			Level 3			Level 4 & above
0 - 10	11 - 28			29 - 43			44 - 63
- level 2	2C	2B	2A	3C	3B	3A	level 4 +
0 - 10	11 - 16	17 - 21	22 - 28	29 - 33	34 - 38	39 - 43	44 - 63

Total marks for Part 1 and Part 2 = 63 marks



Printable Student Test Paper

Click here for the  
printable student test  
paper for Year 4 Block  
3 Test.



# References and additional resources.

The questions and ideas for this PowerPoint came from:  
Wigan LEA Numeracy Centre  
Year1 Block 1 Assessment

## *Thank You*

PowerPoint template published by [www.ksosoft.com](http://www.ksosoft.com)

All the planning for this unit can be found at:  
<http://www.wiganschoolsonline.net/curriculum/math/assess.shtm>

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(<http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/>)

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