Q1.	Here	e are three expressions.	
		$\frac{b}{a}$ $a-b$ ab	
	Whe	en $a = 2$ and $b = -6$ which expression has the smallest value?	
	You	must show your working.	
	•••••		
		Answer	otal 2 marks)
			nai 2 mai ks
Q2.			
	(a)	w and x are whole numbers.	
		<i>w</i> > 40	
		<i>x</i> < 30	
		Work out the smallest possible value of $w - x$	
		Answer	
			(2)
	(b)	y and z are whole numbers.	
		<i>y</i> < 60	
		$z \le 50$	

Q3.

		y + z		
	Answe	r		(2) 4 marks)
Boxes A, B, C and D co Box A (1) (2) (3) (1)	ntain balls with number Box B	ers on them. Box C 1 2 3 3	Box D 1 2 3 3	
A ball is picked at rando	m from each box.			
(a) Which box gives t	he greatest chance o	f picking a 3?		

Box

		ce of picking a 1	he same char	o boxes give t	Which two	(b)
(1)		d Box	aı	x	Box	
(Total 3 marks)						
		00	nat add up to 1	wo numbers th	Circle the tv	Q4. (a)
(1)	76	65	35	34	21	
			that are even	e two numbers	Circle the	(b)
(1)	76	65	35	34	21	
		re number 36	s than the squ	per 31 is 5 less	The numb	(c)
		square number	s 5 less than a	number that is	Circle the	
(1)	76	65	35	34	21	
		a square numbe	s 5 more thar	number that i	Circle the	(d)
	76	65	35	34	21	
(1) (Total 4 marks)						

(1)

Q5. P	ut the	se in order start		nallest value.			
		13 4	$3\frac{1}{2}$	3.15	$\sqrt{9}$		
	You i	nust show you	r working.				
			Smallest				
			Largest				(Total 3 marks)
Q6. H	ere is	a list of numbe	rs.				
		255	431	293	388	107	205
	(a)	Which is the la	argest number?	' Circle your an	nswer.		
		255	431	293	388	107	205

(b) Which is the even number? Circle your answer.

(b)

		255	431	293	388	107	205
							(1)
(c)	Use two of the	numbers to ma	ake a correct a	ddition.		
			+	=	400		
							(1)
(d)	Use two of the	numbers to ma	ake a correct s	ubtraction.		
				=	50		
							(1) (Total 4 marks)
							•
Q7. He	re are	e the temperatu	ures in four plac	ces at 7:00 am	one morning.		
	Abei	rdeen -15.8 °	°C				
	Lond	don -4.9 °C					
	Shef	ffield -7.6 °C					
	War	wick -5.3 °C					
(a)	Which place w	as the warmes	st?			
			Answer				(1)

What was the difference in temperature between Aberdeen and Warwick?

		Answer°C	(1)
	(c)	At 4:00 pm the temperature in Sheffield was 1.7 °C higher than at 7:00 am. What was the temperature in Sheffield at 4:00 pm? Answer°C	(1) (Total 3 marks)
Q8.	(a)	Work out 1.56 ÷ 0.4	
		Answer	(2)
	(b)	Write down a decimal that is more than $\frac{7}{11}$ and less than $\frac{7}{9}$	
		Answer	(2)
	(c)	Write down a fraction that is more than 41% and less than 42%	

	Answer	(2) (Total 6 marks)
Q9 .(a)	Solve 5 <i>x</i> - 2 < 6	
(b)	Answer	(2)
	Answer	 (2) (Total 4 marks)

Q10.The temperature was recorded at the same time each day.

Day	Mon	Tue	Wed	Thu	Fri	Sat
Temperature (°C)	2	0	1	-3	-1	-2

(a)	Which temperature was the coldest?	
	Answer	°C

	How much colder was it on Thursday than on Wednesday?	(b)
(1)	Answer°C	
	On Sunday, the temperature was 3°C lower than on Saturday. What was the temperature on Sunday?	(c)
 (1) (Total 3 marks)	Answer°C	
(1)	Write 3.574 to 1 decimal place. Answer	Q11. (a)
	Put these decimals in order, starting with the smallest.	(b)
	0.5 0.62 0.325	
(1)	Answer, ,, ,	
	Circle the two values that are equivalent to 0.8	(c)
	$8\% \qquad \frac{4}{5} \qquad 80\% \qquad \frac{8}{100} \qquad \frac{1}{8}$	
(2) (Total 4 marks)		

(1)

Q12.Arrange these numbers in order of size starting with the smallest. You **must** show your working.

27%	0.207	56 200	
		,	(Total 2 marks)

Q13. Here are four number cards.

(a)



(1)

(b) Write the number 6217 to the nearest 10.

Answer

(c) Use all **four** cards to show the smallest possible number.



1	4	١
•	ı	,

(d) Use all **four** cards to show a number with a value as close to 4000 as possible.



(1) (Total 4 marks)

Q14.Use a calculator to work out each of the following.

(a) 206×13

Answer(1)

(b) $945 \div 15$

Answer(1)

(c) $489 - (15 \times 14)$

Answer

(Total 3 marks)

Q15. The number of tickets sold for five football matches is shown.

Match Tickets sold	
1	43 378
2	19 872

3	20 417
4	43 685
5	32 473

	How many tickets were used for match 5? Give your answer to the nearest thousand.	
(c)	3584 of the tickets sold for match 5 were not used.	
	Answer	(2)
(b)	At which match was the number of tickets sold closest to 20 000?	
	Answer	(1)
(a)	At which match were most tickets sold?	