	135		b)	309		c)	3245 d)	)	9280				
In y	our exerc	cise b	ook,	write	these	numb	ers in words.						
a)	234		b)	1740		c)	2009 d	)	3000				
e)	4097		f)	8016		g)	9999 h	)	7705				
a)	) Write these numbers as digits.												
	i) F	i) Five thousand, three hundred and four =											
	ii) T	Three	thou	sand,	five h	undre	d and four =						
	iii) F	our t	housa	and ar	ıd fiv	e =							
	iv) 5	thou	ısand	s + 2 l	nundr	eds +	3 tens + 4 units	s =					
	v) 4	l thou	ısand	s + 7t	ens +	- 2 uni	ts =						
	vi) 2	23 un	its + 5	50 hur	ndred	s =							
	,	3 hun	dreds	+ 52	tens -	⊦ 6 un	its =						
	,						410 units =						
	List the						TTO WILLS				• • • •	•••	• •
	te these r	numb	ers in	the p	lace-	value	table.						•
Wri	,	TTh 0 000	Th 1000	H 100	T 10	U 1	b)		TTh 10 000	Th 1000	H 100	T 10	
Wri	1							35					
	-						10 times	35					
a)	9						100	35					
a) 540 952 193	99 21 55						100 times						
a) 540 952 193 205	99 21 25 5 60						100 times 1000 times						
a) 540 952 193 205 549	99 21 25 5 60												

b)

1200, 1100, 1000, ...., .....

413, 418, 423, 428, ....,

- a) In your exercise book, write these numbers in words.
  - i) 1240
- ii) 324
- iii) 2001
- iv) 5430

- v) 10101
- vi) 1027
- b) List them in increasing order.

.....

2

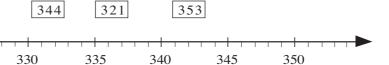
Join up each number to the corresponding point on the number line.



a)

				89	]	7	79		91				
					1			1					-
	- 1	1	- 1	1	1	1	1		1	1		- 1	
79	80	81	82	83	84	85	86	87	88	89	90	91	92

b)



c)

320

	8	799 8831		
<del>-                                      </del>	<del></del>	<del>, , , , ,   , , , ,</del>	<del></del>	
8790	8800	8810	8820	8830

3

a) Follow the pattern and complete the table.

325

b) Write a ≈ sign nearest the correct rounding to the nearest whole ten.

Next smaller ten	Number	Next greater ten	
	3		
80	86 ≈	90	
	392		
	4535		
	10324		

4

Round each number to the nearest whole ten and nearest whole hundred.

- a) 299 ≈
- ~

- b) 4604 ≈
- ~

- c) 2875 ≈
- ~

d) 9048 ≈

~

5

Complete the statements.

- a) 345 410
- b) 410 345 =
- c) 345 + = 410

- d) 1320 1120
- e) 1320 1120 =
- f) 1120 + = 1320

- g) 74
- 0 < | < 7485
- : .......

1	

Fill in the missing numbers.

a)	×	10	=	230
$\alpha_j$	 	10		250

b) 
$$75 \times \boxed{\phantom{0}} = 7500 \text{ c) } 27 \times \boxed{\phantom{0}}$$

c) 
$$27 \times | = 27000$$

$$\times 100 = 2200$$

$$\times 100 = 7500$$

2

Fill in the missing numbers and signs.

a) 
$$840 \div \boxed{} = 84$$

d) 
$$\div 100 = 100$$

g) 
$$8500 \div$$
 = 85

h) 
$$\times 1000 = 34\,000$$

3

Write multiplications and divisions about the tables.

a)

H Th	T Th	Th	Н	Т	U
				5	3
			5	3	0
		5	3	0	0
	5	3	0	0	0
5	3	0	0	0	0

H Th	T Th	Th	Н	Т	U
8	0	7	0	0	0
	8	0	7	0	0
		8	0	7	0
			8	0	7

$$53 \times 10 =$$

0U /	UUU	÷	10	=
80	700	÷	100	) =

			_


4

You have these number cards.

2	3	4	0	0	0
---	---	---	---	---	---

Use them to make, where possible, two different 6-digit numbers which are:

a) divisible by 10:

• •	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

b) divisible by 10, but not by 100:

•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

c) divisible by 100, but not by 10:

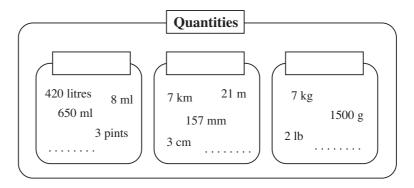
d) not divisible by 10:

Write the units of measure that you know in the correct place in the table.

Number of times, or the fraction of, the basic unit	1000	100	10	1	$\frac{1}{10}$	1 100	1 1000
Units of length				metre (m)			
Units of mass				gram (g)			
Units of capacity				litre (ℓ)			

2

- a) Write a label for each set.
- b) Add a quantity of your own to each set.



3

Convert the quantities.

- a)  $3 \text{ km} = \boxed{ } \text{m}$
- c) 5 and a half km = m
- e) 3 half metres = cm
- g) 5 m = mm
- i) 2 fifths of a metre = mm j)
- k) 2500 ml = litres
- m)  $10\ 000\ g =$  kg

- b) 12 km = \_\_\_\_\_ m
  - d) 17 m 80 cm = \_\_\_\_ cm
  - f) 3 quarters of a metre = cm
  - h) 32 m 4 cm = mm
  - j)  $3000 \text{ ml} = \boxed{\text{litres}}$
- 1) 2500 cl = litres
  - n) 3500 g = kg

4

Fill in the missing items.

- a) litres = 4000 ml = cl
  - b) 31 kg = g
- c) 70 m = 7000 = mm
- d) cm = 13 m = 13000
- e) 3 000 000 g = 3000 = 3
- f) 5000 ml = m = g (!)

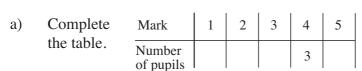


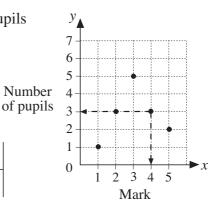
- How many units long is the shortest a) route from A to B along the grid lines?
- b) How many such routes can you find?

The graph shows the marks scored by a class of 14 pupils in a test which had 5 marks in total.

For example, 3 pupils scored 4 marks, or 4 marks were scored by 3 pupils.

So this data point has coordinates (4, 3).





- b) i) Which mark did most pupils score? This is the **mode**.
  - ii) How many pupils scored it?
- List the marks of every pupil in increasing order in your exercise book. c)
- Calculate the **mean** in your exercise book and write it here. d)

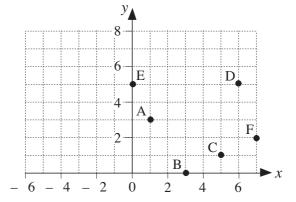


3

There are two mistakes in this graph.

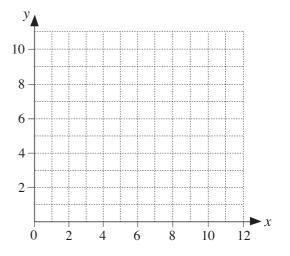
Circle the incorrect points and draw them again in the correct position.

- A(3,1)
- B(3,0)
- C(5,1)
- D(6,5)
- E(0,5)
- F(2,7)



Mark these points with dots on the graph.

- A(2,8);B (7,1);
- C(3,3);
- D (4,0); E (6,0);
- F(0,0);
- G (4 rounded to the nearest 10,  $40 \div 10$ )
- H (13 rounded to the nearest 10,  $900 \div 100$ )

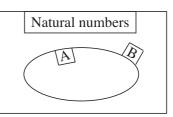


The base set contains the **natural** numbers.

Set A contains numbers less than 10.

a) List the elements of *Set A*.

$A = \{$	 	 	 	 	 				. }	-



b) If the number of elements in *Set A* is *n*, complete this statement.

n	10
n	10

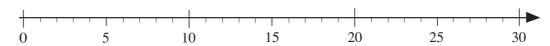
c) List the elements in Set B.  $B = \{$ 

				ι
,	•	•	•	ſ

2

The base set is the set of **natural** numbers. Write an inequality about x, y and z using <, >,  $\le$  or  $\ge$  and show it on the number line.

a) x is less than or equal to 17.



b) y is less than 8.

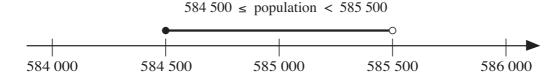


c) z is at least 7 and at most 10.



3

If the population of a country, rounded to the nearest 1000, is 585 000, then it means:



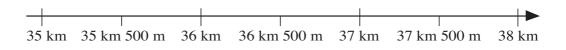
The **actual** population is a natural number somewhere on the segment shown.

a) Answer this question by writing an inequality.

The length of a room was measured as 530 cm, rounded to the nearest 10 cm. What could the actual measurement be?

......

b) The distance from John's house to his work is 37 km, rounded to the nearest km. What could the actual distance be? Show it on the number line.



Write an operation for each problem and do the calculation.

a) 15 girls and 16 boys went on a trip. How many children went on the trip?

.....

b) The school organised two trips. 27 pupils went to Dartmoor, 9 less than those who went to Exmoor. How many pupils went to Exmoor?

.....

## 2

Do these calculations in your exercise book and write only the answers here.

a) 
$$87 - 22 =$$

b) 
$$103 + 68 =$$

c) 
$$122 - 48 =$$

d) 
$$4013 + 482 =$$

e) 
$$500 + 600 + 900 =$$

f) 
$$3000 - 570 =$$

g) 
$$3072 + 8318 + 686 + 1324 =$$

## 3

Do these calculations in your exercise book and write only the answers here.

a) 
$$4400 + 600 + 960 + 1040 =$$

b) 
$$2050 - 580 =$$

c) 
$$7305 + 95 + 551 + 1049 =$$

d) 
$$6000 - 3700 =$$

e) 
$$2600 + 2040 + 25 + 375 =$$

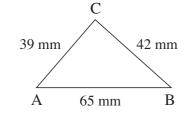
g) 
$$3072 + 8218 + 686 + 1324 =$$

h) 
$$1660 - 760 =$$

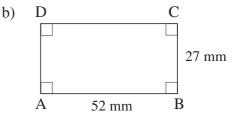


Calculate the perimeter of each polygon in your exercise book. Write the answer here.

a)



Not drawn to scale!



5

Ann has £758, Betty has £1439 and Carol has £549. How much do they have altogether?

Estimate by rounding to the nearest £100, write the amounts in the place-value table, do the calculation and write the answer in a sentence.

*E*: -----

B C

Th H T

U

Answer:

Α

Estimate first by rounding to the nearest 100, then calculate.

- b) *E*:\_\_\_\_\_
- c) E:
- d) E:

	1	4
	-	4

	1	4	2
	3	1	3
+	4	4	1

3 8 0 4 + 2 4 3 7

		4	5	3
			0	
+	3	4	5	6

3 5 6 7 3 4 1 1 5 8 9 9 0 7 8

2

Write each addition in column form, then do the calculation.

345 + 276 + 516 + 1018



b) 2305 + 4076 + 291 + 1000



5077 + 9246 + 260 + 8705



d) 1010 + 8 + 26 + 3004



- Seven thousand, three hundred and fifteen
  - + eight hundred and ninety-one
  - + three hundred + fifty-five

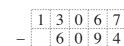


3

Estimate first by rounding to the nearest 100, then do the calculation.

c) E:

d) E:



and 3456.

5 6 7 4 5 6

	4	4	5	3
-		7	0	9



Write each subtraction in column form, then do the calculation.

b)

5678 - 2451a)

8636 - 3452

c) the difference between 8675



The pupils in a cl			) 7	Write 7 +		an a	dditi	on ar	nd a 1	multi	plica × [ =	ation =	in tw	class? o ways.  ] = geable.	
2		ch He	erry ow n	trees nany		is ord	chard he pl	l. He ant a	plan ltoge	ted 7 ether	tree?	3 rovs in 6			
3 Complete the	×	0	1	2	3	4	5	6	7	8	9	10	11	12	
multiplication .	0	0	0	0	0	0	0	0	0	0	0	0			
table.	1	0	1	U	3	0	U	6	7	8	9	0		12	
	2	0	2		6			0		O	2		22	12	
	3	0	3		9			18	21	24	27		22		
	4	0			12			10	41	<u> </u>	21				
	5	0			15										
	6	0	6		18			36	42	48	54				
	7	0	7		21			42	49	56	63				
	8	0	8		24			48	56	64	72				
	9	0	9		27			54	63	72	81				

Do these multiplications in a clever way in your exercise book.

24

11

- a)  $3 \times 4 \times 25$  b)  $5 \times 63 \times 20$  c)  $63 \times 77 \times 0$
- d)  $1 \times 2 \times 4 \times 8$

108

e)  $1 \times 2 \times 3 \times 4 \times 5 \times 6$  f)  $5 \times 2 \times 7 \times 2 \times 7 \times 5$ 

**10** 11

12

- g)  $2 \times 8 \times 125 \times 4$

132

Do these calculations in a clever way.

- a)  $47 \times 6 = \dots$
- b) 31 x 19 = .....
- c) 82 × 13 = .....
- d) 69 × 20 = .....
- e)  $50 \times 4 \times 7 = \dots$



Write plans and do the calculations.

An intercity express train is travelling at an average speed of 110 km per hour. A local train is travelling at an average speed of 70 km per hour. Both trains take 7 hours to complete their journeys.

a) What distance do the two trains travel altogether?

.....

b) How much further does the intercity express train travel?

.....

3

Calculate the perimeter and area of these polygons. (They are not drawn to scale.)

a)



$$P =$$

11 cm

A =

b)



P = \_\_\_\_\_

45 m

A =

4

In this table, row a shows the length of a side of different squares and row A shows the area of the same squares.

Complete the table and write the rule.

a	1	2	3	4			7	8	9		11	12		
$\overline{A}$	1	4	9		25	36				100			169	

Rule: A =

п
п
п
п
п
п
п

Pete and Sue bought 5 bottles of juice and took back 5 empty bottles.

One bottle of juice cost 86 p but they got 6 p back for every empty bottle they returned.

Pete and Sue calculated how much they spent in different ways. Show how they did it.

Pete: ..... Sue: ....

.....

.....

2

Calculate  $327 \times 6$  in the place-value tables in two different ways.

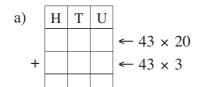
Th	Н	Т	U	
	3	2	7	× 6

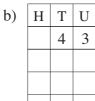
Th	Н	Т	U	
	3	2	7	×

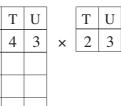
6

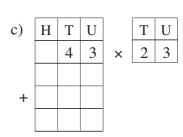
3

Calculate  $43 \times 23$  in the place-value tables in different ways.









4

Calculate these products in any way you wish.

a) 
$$70 \times 4 =$$

b) 
$$82 \times 10 =$$

c) 
$$68 \times 100 =$$

d) 
$$25 \times 8 =$$

$$75 \times 4 =$$

$$82 \times 9 =$$

+

$$68 \times 99 =$$

$$250 \times 8 =$$

$$75 \times 6 =$$

$$82 \times 5 =$$

$$68 \times 90 =$$

$$25 \times 80 =$$

$$75 \times 8 =$$

$$82 \times 50 =$$

$$68 \times 9 =$$

$$25 \times 800 =$$

$$80 \times 8 =$$

$$82 \times 500 =$$

$$68 \times 900 =$$

$$25 \times 160 =$$

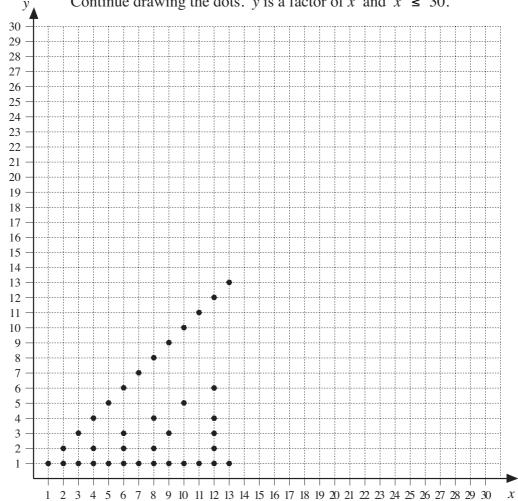
Calculations:

a) Complete the table to show how 24 flowers can be arranged in equal bunches.

Flowers per bunch	1	2	3	4			12		
Number of bunches	24	12			4	3		1	

b) 

Continue drawing the dots. y is a factor of x and  $x \le 30$ . a)



Complete these statements. b)

i) x is a of y

ii)

 $A = \{\text{has exactly two factors}\} = \{\ldots \}$ 

 $B = \{\text{has an odd number of factors}\} = \{\ldots\}$ iii)

iv)  $C = \{\text{has only one factor}\} = \{\ldots\}$ 

3

The arrows point towards the multiples.

3

9

Continue drawing the arrows.

12

Fill in the missing numbers. If there is a remainder, write it beside the box.

a)  $73 \div 7 =$ 

- b)  $83 \div 10 =$
- c)  $96 \div 16 =$
- d)  $144 \div \boxed{\phantom{0}} = 10, r 4$
- e)  $121 \div 10 =$
- f) 66 ÷ 11 =

2

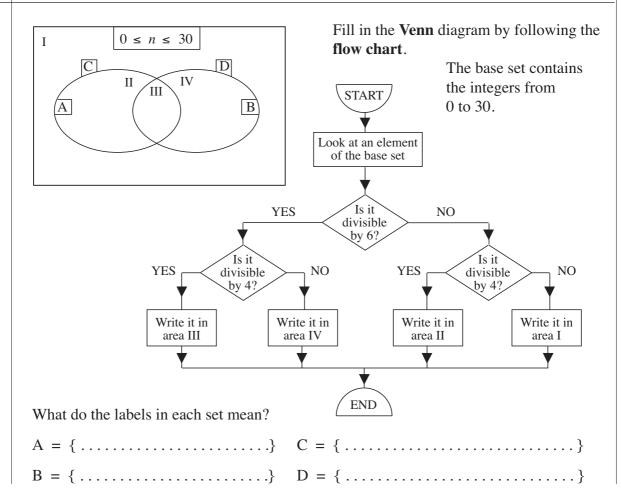
Write these numbers in the correct set.

15 30 41 77 80 92 104 150 300

- a) Divisible by 2
- b) Multiple of 4
- c) Divisible by 5

- d) Multiple of 10
- e) Divisible by 25
- f) Multiple of 100

3



Solve the equations.

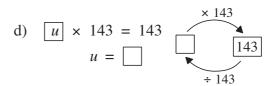
a)	x ×	7 = 63	63
		$x = \square$	÷ 7

b) 
$$y \times 5 = 0$$

$$y =$$

$$\div 5$$

					× (	)
c)	$z \times$	0	=	8		
		z	=			
					2	



9	
4	

Fill in the missing numbers. Compare the results in each row.

a) 
$$(12+10) \times 5 =$$
  $12+10 \times 5 =$   $12 \times 5+10 \times 5 =$ 

b) 
$$32 \times 3 - 12 \times 3 =$$
  $(32 - 12) \times 3 =$   $32 - 12 \times 3 =$ 

d) 
$$(32-12) \div 4 =$$
  $32 \div 4 - 12 \div 4 =$   $32 - 12 \div 4 =$ 

e) 
$$(42-10)+5=$$
  $42-10+5=$   $42-(10+5)=$ 

f) 
$$(10 \times 8) \times (25 \times 8) =$$
  $(10 \times 25) \times 8 =$   $10 \times 25 \times 8 =$ 

3

In November, a family spent £780 on heating and £1320 on food.

How much did the family spend on average on heating and food each day during that month?

4

a) Complete the diagram, then write a plan. Do the calculation and check the result.

Along an 850 m route a marker was placed at each 50 m.

How many markers were needed?

Diagram: 850 m

b) How much time is needed to boil 16 eggs if it takes 4 minutes to boil one egg?

Page 14

Do the calculations (in your exercise book if you need more space) and write the results.

- $36 \div 6 =$
- b)  $38 \div 19 =$
- c)  $480 \div 40 =$
- d)  $490 \div 7 =$

- e)  $51 \div 7 =$
- f)  $38 \div 6 =$
- g)  $420 \div 40 =$
- h)  $490 \div 80 =$

2

Do the calculations and check the results.

a)



b)



c)



d)



3

Do the calculations and check the results.

a)



b)



c)





e)



Check:

Write a plan, do the calculation and check the result. Write the answer in a sentence.

A baker needs 7 kg of flour to make 175 rolls.

- How many rolls can be made with 1 kg of flour? a)
- How much flour is needed to make one roll? b)

Do the divisions in column form and check them.

a)

$$123 \div 9$$

b)

$$123 \div 10$$



c)





2

Do the divisions and check them.

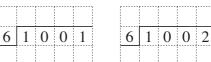
a)



6

c)

e)





6 9 9 8

9 9 9





6 1 0 0 0







3

Do the divisions in any order you wish as quickly as you can in your exercise book. Write only the results here.

a) 
$$983 \div 8 =$$

b) 
$$878 \div 9 =$$

c) 
$$789 \div 10 =$$

d) 
$$576 \div 70 =$$

e) 
$$576 \div 27 =$$

f) 
$$12\ 121 \div 11 =$$

In your exercise book, write a plan, do the calculation and check the result. Write the answer in a sentence here.

a) If I divided up my pocket money so that I had the same amount for 6 days, I would have 142 p each day and 3 p would be left over.

How much would remain if I divided up my pocket money equally over 7 days?

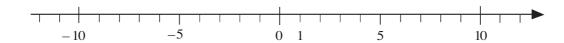
I bought a length of material for £48 60 p. If it cost £1 80 p per metre, how many b) metres did I buy?

1	Use the	e thermometer diagram	to help you work o	out how the temperatures	s change.
	°C	a) The temp	erature is $-3^{\circ}$ C,	New temperatur	e
		then: i)	it rises by 2°C		
	= 10	ii)	it rises by 3°C		
		iii)	it rises by 10°C	• • • • • • • • • • • • • • • • • • • •	
		iv)	it falls by 2°C		
			erature is 3°C,		
		then: i)	it falls by 2°C		
		ii)	it falls by 3°C		
		<u>20</u> iii)	it falls by 10°C		
2	Write 6	each person's balance as	one amount of mo	oney.	
	/	Mike has £18 in cash and is £12 in debt.			Balance
	_ ′	Nick has £12 in cash and is £18 in debt.			Balance
	_ ´	Luke has £16 in cash and is £16 in debt.		1 -1 -1 -1 -1	Balance
3	a) N	Mark the <b>opposite</b> numb	pers of this set on the $(-7, 10, 0, 11, -10)$		
	b) V	-10 -5 Write the actual values in	n the boxes, then w	vrite their <b>opposite</b> value  iii) –	10 es beside them.
4	a) 1	, 2, 3, 4, 5, are	who	ole numbers or	numbers.

whole numbers.

b)  $-1, -2, -3, \dots$  are

- a) Mark the terms of this sequence in *red* on the number line.The first term is -8. The following terms are 3 more than the previous term.
- b) Mark the terms of this sequence in *blue*.The first term is +10. The following terms are 4 less than the previous term.
- c) Mark the numbers exactly divisible by 3 in *green*.



2

From this set:

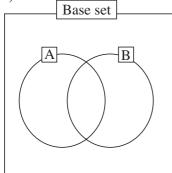
- a) list the numbers less than -1 ...
- b) list the numbers not more than 1 ......
- c) list the numbers more than or equal to -7 ......
- d) list the pairs of opposite numbers.

3

The base set is:  $U = \{-5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5\}$ 

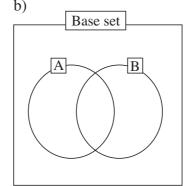
Write the numbers in the Venn diagrams.

a)



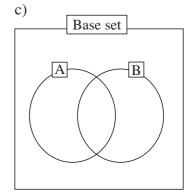
A = {negative numbers}

B = {positive numbers}



 $A = \{at | least | zero \}$ 

 $B = \{at most zero\}$ 

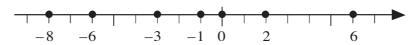


 $A = \{more than - 3\}$ 

 $B = \{less than 4\}$ 

4

Put the numbers marked in order.



Work out the rule and complete the table. Write the rule in different ways.

a	2	-1	2	5	-3		4	0	7	-4	
b	5	-4	-6	0	3	1		-8		11	-4
$\overline{c}$	7	- 5	-4			8	- 3		0		2

Rule: c =

2

Use this counting strip to help you work out the sums and differences.

-13 -12 -	11 –10	-9	-8 -	7 –6	-5	-4 -	- 3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
																				$\neg \neg$
-11 -10 -	-9 - 8	-7	-6 $-3$	5 - 4	-3	-2 -	- 1	0	1	2	3	4	5	6	7	8	9	10	11	12

3 - 1 =

2 - 0 =

5 - 3 =

9 - 7 =

12 - 10 =

1 - (-1) = 0 - (-2) = -1 - (-3) = -2 - (-4) = -3 - (-5) =

6 - 8 = 1 - 3 = 0 - 2 =

-2-0 =

-3 - (-1) = -5 - (-3) = -8 - (-6) =

2 + 3 =

2 + 5 =

2 + 10 =

-2+0 =

- 2 **+** 2 =

-2 + (-1) = -2 + (-2) = -2 + (-5) = -2 + (-9) = -2 + (-4) =

3

Work out the rule and complete the table. Fill in the word missing from the statement.

х	5	6	-2	5	-2	4	2	8	-3	3	-2	-5	6
у	5	3	0	-2	5	9	- 5	-8	10	-10	-5	-2	-6
z	0	3	2	7	7								

z is the

between x and y

Solve the inequalities if the solutions are integer numbers.

a)  $| \geq -5$ 

c) -5 < \(\sigma < 2\)

d)  $-7 < \prod$  and  $\prod$  < -1 :

e) 2 < \( \subseteq \) or \( \subseteq < -3 \)

Work out the rule and complete the table. Write the rule in different ways.

a	-5	3	-2	6	- 1		0		11	- 44
$\overline{b}$	5	- 3	2			-8		3		

$$a =$$

$$a + b =$$



Work out the rule and complete the table. Fill in the words missing from the statement.

X	-7	-6	-5			-2		0	1	2	3		5
у	7	6		4	3		1		1	2		4	5

y is the	of x from	1 [
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3

Decide whether the statement is true or false and write a  $\checkmark$  or a  $\times$  in the box.

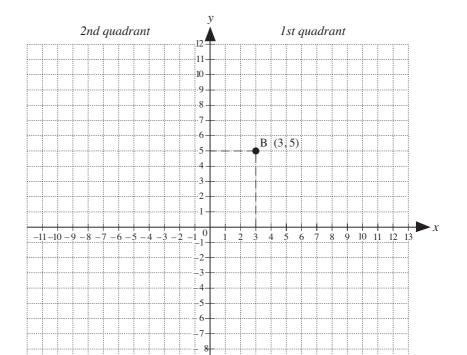
- a) Any integer number is greater than its opposite number.
- b) There is a number which is greater than its opposite number.
- c) There is a number which is as far from 5 as it is from the opposite of 5.
- d) The greater of two negative numbers is the number closer to zero.

4

a) Plot these points on the graph.



\* already drawn



3rd quadrant

4th quadrant

b) Plot all the points which are 5 units from the y-axis and 3 units from the x-axis.

-9-

c) Plot all the points which are 3 units from the y-axis and 5 units from the x-axis.

_		
	и	

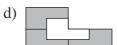
What part of the shapes are shaded?











e)



Colour the given fraction of each shape.

a)

i)



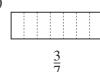
c)









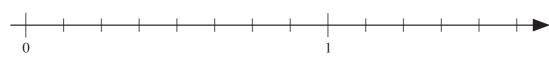


Draw lines which are: i)  $\frac{1}{6}$  ii)  $\frac{5}{6}$  iii)  $\frac{7}{6}$  of the length of this a) 12 cm line segment.

- ii)
- iii)
- b) Write their lengths below the lines.

Mark the positions of these fractions on the number line.

$$\frac{1}{8}$$
,  $\frac{1}{2}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$ ,  $\frac{9}{8}$ ,  $\frac{5}{4}$ ,  $\frac{5}{8}$ ,  $\frac{12}{8}$ 



Which would give you more chocolate?

$$\frac{3}{8}$$
 of one bar

or

 $\frac{1}{8}$  of 3 bars







_	
L	

a) Use a ruler to draw the required parts of this 10 cm line segment.

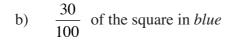
b) Mark the fractions on the number line.



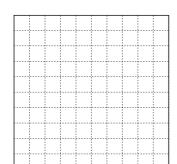
2

Colour:

a)  $\frac{1}{10}$  of the square in *red* 



- c)  $\frac{2}{5}$  of the square in *yellow*
- d)  $\frac{13}{100}$  of the square in green.



$$\frac{1}{10} = \frac{1}{100}$$

 $\frac{2}{5} = \frac{2}{10} = \frac{2}{100}$ 

3

In your exercise book, calculate these parts of a 72 cm line segment and write the lengths in the boxes.

- a)  $\frac{2}{6}$
- b)  $\frac{5}{6}$
- c)  $\frac{9}{6}$

4

Write an operation for each part. Give the answer as a fraction or a whole number.

- a) One seventh of three units: ......
- b) The ratio of 3 to 10: ......
- c)  $\frac{3}{4}$  of 100:
- d) The ratio of 15 to 8:
- e) 1 fifth of 1 third of 1 unit:
- f) 1 third of 1 fifth of 1 unit: ......

_	
	1
	1
	1
	a

Write the decimal numbers in the place-value table, then write the numbers as the sum of a whole number and a fraction.

a)	16	07

- 518.26 b)
- 1001.108 c)
- 0.058 d)

Th	Н	Т	U	t	h	th

$16 + \frac{7}{100} =$	$16\frac{7}{100}$
------------------------	-------------------

Write these numbers as decimals. Do necessary calculations in your exercise book.

a) 
$$\frac{35}{10} =$$

b) 
$$\frac{7}{100} =$$

c) 
$$\frac{1003}{100}$$
 =

d) 
$$\frac{1003}{10} =$$

e) 
$$\frac{89}{10} =$$

f) 
$$83 + \frac{7}{10} =$$

g) 
$$\frac{3}{100} =$$

h) 
$$\frac{68}{100} =$$

i) 
$$\frac{527}{100} =$$

$$= 1) \frac{1}{4} =$$

j) 
$$1 + \frac{1}{2} =$$

k) 
$$15 + \frac{2}{5} =$$

1) 
$$\frac{1}{4} =$$

m) 
$$\frac{6}{20}$$
 =

n) 
$$143 + \frac{17}{50} =$$

o) 
$$2\frac{3}{4} =$$

## 3

Write these decimals as fractions.

a) 
$$3.01 =$$

b) 
$$0.07 =$$

c) 
$$103.9 =$$

d) 
$$0.20 =$$

e) 
$$20.8 =$$

g) 
$$30.3 =$$



Express these measures as decimals.

a) 
$$1 \text{ cm} = \boxed{ }$$
 m b)  $3 \text{ m} 5 \text{ cm} = \boxed{ }$  m c)  $10 \text{ g} = \boxed{ }$ 

c) 
$$10 g = kg$$

d) 
$$2 \text{ m } 12 \text{ mm} = \boxed{ } \text{ cm} = \boxed{ } \text{ m} \text{ e) } 58 \ \ell \ 18 \ \text{cl} = \boxed{ }$$

e) 58 
$$\ell$$
 18 cl =  $\ell$ 

f) 
$$28 \text{ kg } 300 \text{ g} = \left| \begin{array}{cc} \text{kg} & \text{g} \end{array} \right| 3 \text{ hours } 6 \text{ minutes} = \left| \begin{array}{cc} \end{array} \right|$$

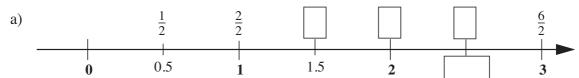
5

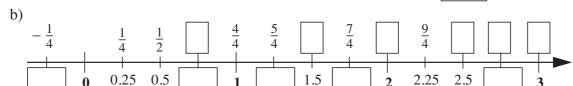
Express these amounts as:

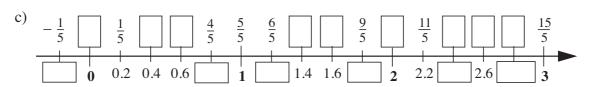
ii) 
$$1810 p = £$$

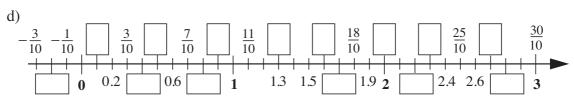
$$p$$
 ii) 6549  $p = £$ 

Fill in the missing numbers.









2

Write the decimals as fractions with denominator 100. Fill in the missing signs.

- b) 0.7 0.70
- c) 0.12 0.1

100	100

 $\frac{\square}{100} \quad \square \quad \frac{\square}{100}$ 

100	100

- e) 0.04 0.3
- f) 2.3 2.29



- $\frac{\square}{100} \quad \square \quad \frac{\square}{100}$
- $\frac{\square}{100}$   $\square$   $\frac{\square}{100}$

3

Write three numbers which are between each given pair.

- a) 5.3 <
- <
- b) 0.6 <
- < < 0.7

<

- c) 1.9 <
- <
- < 2

< 5.5

- d) 1.5 <
- <
- < 1.51

4

Write the numbers in increasing order.

a) 0.2, 0.202, 2.02, 2.22, 20.2, 20.02, 2.002, 202.2

.....

 $b) \qquad 0.001, \ -1, \ -1.01, \ -1.11, \ 0.1, \ -1.1, \ -10.1, \ 1.11$ 

.....