Complete the table. a)

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39

- Colour *red* the 2-digit numbers in the 2nd row. b)
- c) Colour *blue* the 2-digit **even** numbers in the 5th column from the left.
- d) Colour *yellow* the 1-digit **odd** numbers in the 4th column from the right.
- Colour *green* the numbers not less than 36. e)

2

Write the number of circles in the place-value table.



3 3 a)

T

1

U

6

8

7

b)

b)

4 c)

Η

c)

9 **Total** 

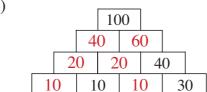
3

The same shape means the same number. Fill in the missing whole tens.

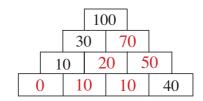
$$\boxed{50} - \boxed{30} + \boxed{20} = 40$$

The sum of any two **adjacent** numbers is the number directly above them. Fill in the missing numbers.

a)

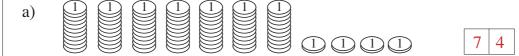


b)



Fill in the amounts and mark the numbers on the number line.









2 Draw and write down how you could pay £76 from these notes and coins:

- a) with the exact amount
- b) with change needed.

*Drawing:* £50 £20 £5 £1

*Drawing:* £50 £20 £10

Calculation:

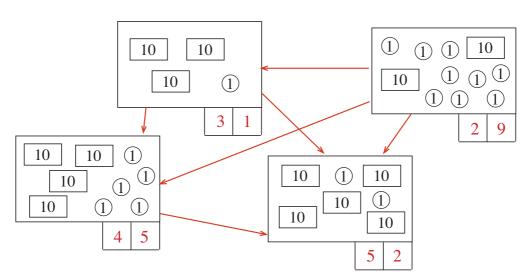
3

$$50 + 20 + 5 + 1 = 76$$

Calculation:

$$50 + 20 + 10 = 80$$
  
 $80 - 76 = 4$ 

Fill in the total amounts. Compare them by drawing arrows towards the amount which is more.



Draw a line 8 cm long.
Divide it up into quarters.

2 cm | 2 cm | 2 cm | 2 cm

Practise addition.

a) 
$$40 + 50 = 90$$

b) 
$$26 + 30 = 56$$

c) 
$$17 + 5 = 22$$

$$30 + 20 = 50$$

$$42 + 50 = 92$$

$$18 + 3 = 21$$

$$50 + 10 = 60$$

$$40 + 17 = 57$$

$$29 + 6 = \boxed{35}$$

$$32 + 4 = 36$$

$$8 + 24 = \boxed{32}$$

$$25 + 3 = 28$$

$$25 + 3 = 28$$

$$9 + 23 = 32$$

$$30 + 2 = 32$$

$$52 + 6 = 58$$

$$7 + 16 = 23$$

2

Practise subtraction.

a) 
$$80 - 70 = 10$$

b) 
$$43 - 20 = 23$$

c) 
$$26 - 9 = 17$$

$$50 - 10 = 40$$

$$75 - 50 = 25$$

$$90 - 30 = 60$$

$$68 - 30 = 38$$

$$23 - 5 = \boxed{18}$$

$$38 - 8 = 30$$

$$52 - 1 = 51$$

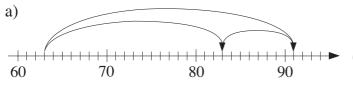
$$24 - 12 = \boxed{12}$$

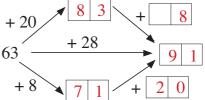
$$52 - 2 = 50$$

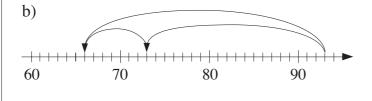
$$25 - 17 = 8$$

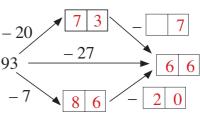
3

Do the additions in different ways. Fill in the missing numbers. Complete the diagrams.









4

Ann has 35 picture cards, 18 more than Lisa. How many picture cards do the two girls have altogether?

$$35 - 18 = 17$$

Jane has £64. How many pounds could she spend and how many pounds would she have left? Complete the table.

													E.g:	ı
Spends (£)	18	52	36	30	25	29	49	16	27	41	50	59	13	
Has left (£)	46	12	28	34	39	35	15	48	37	23	14	5	51	

Rule: 64 = S + H

S = 64 - H

H = 64 - S

Andrew has £46 more than Brian has. How much money could they each have? Complete the table.

A(£)	49	61	68	70	95	63	80	64	85	81	73	83	95	55
B (£)	3	15	22	24	49	17	34	18	39	35	27	37	49	9

Rule: A = B + 46

B = A - 46

46 = A - B

A book case has 3 shelves. On the middle shelf there are 32 books, 9 less than there are on the top shelf and 9 more than there are on the bottom shelf.

- a) How many books are on the top shelf?  $\dots 41 \cdot (32 + 9) \cdot \dots$
- b) How many books are on the bottom shelf? .....23.(32.-9)......
- c) How many books are in the book case? .....96.(41+32+23).....

Fill in the missing numbers.

a) 
$$30 + \boxed{50} = 80$$

$$3 + 80 = 83$$

$$33 + \boxed{50} = 83$$

$$38 + 42 = 80$$

$$38 + \boxed{45} = 83$$

b) 
$$20 + 40 = 60$$

$$| 62 | + 4 = 66$$

$$24 + 40 = 64$$

c) 
$$90 - 60 = 30$$

$$90 - \boxed{51} = 39$$

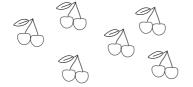
d) 
$$90 - 50 = 40$$

$$54 - 4 = 50$$

Write an addition and a multiplication about each picture.

E.g:

a)



2 + 2 + 2 + 2 + 2 + 2 + 2 = 14

 $7 \times 2 = 14$ 

b) ## ## ## ## ## ## ##

5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 45

 $9 \times 5 = 45$ 

c)

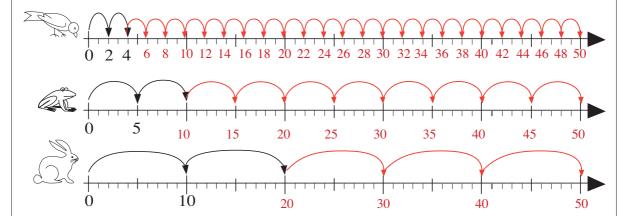


10 + 10 + 10 = 30

 $3 \times 10 = 30$ 

2

The animals start at 0 and make jumps of equal length along the number line. Draw their jumps and write the numbers they land on below the number line.



3

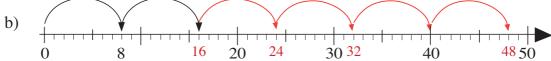
Fill in the rows and columns for 2, 5 and 10.

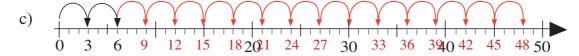
Make sure you know these multiplication facts by heart.

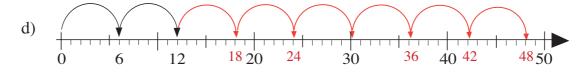
Х	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6			15					30
4	0	4	8			20					40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12			30					60
7	0	7	14			35					70
8	0	8	16			40					80
9	0	9	18			45					90
10	0	10	20	30	40	50	60	70	80	90	100

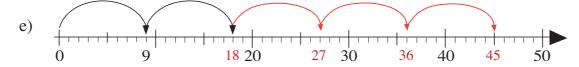
Starting from 0, draw jumps of equal length along the number line. Write the numbers landed on below the number line.











2

Complete the table. Multiply the numbers in the top row by 3, 6 and 9.

х	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
6	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
9	0	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135

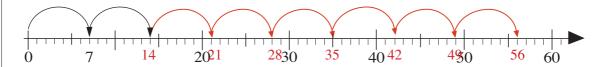
3

Fill in the rows and columns for 3, 4, 6, 8, and 9.

Make sure you know these multiplication facts by heart.

Х	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42		56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

Starting from 0, draw jumps of equal length along the number line. Write the numbers landed on below the number line.



2

Write an addition and a multiplication about the picture.

000	000	000	000	000	000	000	.7 + .7 + .7 + .7 + .7 + .7 + .7 = .49
$\circ$							
0 0	0 0	0 0	0 0	0 0	0 0	0 0	$7 \times 7 = 49$

3

Complete the table. Write the rule in different ways.

Number of:

M																
Heads	0	1	2	3	4	5	6	7	8	9	10	11	12	15	20	21
Legs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rule:	S	= H	•	Н:	= S	•	L=	0				•	•			

4

Practise multiplication.

a) 
$$3 \times 7 = 21$$

$$5 \times 6 = \boxed{30}$$

$$9 \times 8 = 72$$

b) 
$$9 \times 9 = 81$$

$$4 \times 8 = \boxed{32}$$

$$2 \times 6 = \boxed{12}$$

c) 
$$8 \times 7 = 56$$

$$5 \times 5 = \boxed{25}$$

$$9 \times 5 = \boxed{45}$$

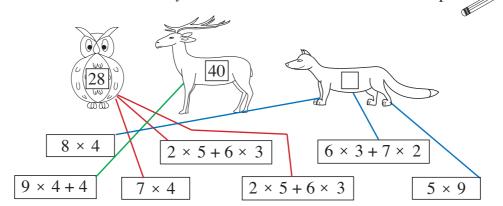
5

Complete the multiplication table for 0, 1 and 7.

Make sure you know all the multiplication facts by heart.

Х	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

Ollie Owl collects operations which result in 28, Dennis Deer collects those which result in 40 and Freddy Fox collects the others. Join them up.



2

Colin had £48. He was given £15 for his birthday by each of his 3 aunts. How much money does he have now?

*Calculation:*  $48 + 15 + 15 + 15 = 48 + 3 \times 15 = 93$ 

Answer: Colin now has £93.

3

Fill in the missing numbers.

a) 
$$7 \times 8 = 56$$

b) 
$$30 \div 3 = 10$$

c) 
$$13 \times 7 = 91$$

$$9 \times \boxed{3} = 27$$

$$| 35 | \div 7 = 5 |$$

$$24 \times 4 = 96$$

$$6 \times \boxed{3} = 18$$

$$15 \times 6 = 90$$

$$4 \times \boxed{8} = 32$$

$$3 \times 16 = 48$$

$$5 \times 9 = 45$$

$$\frac{72}{}$$
 ÷ 8 = 9

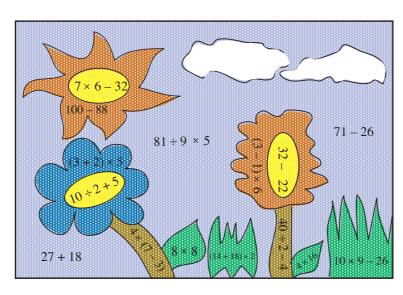
$$6 \times 16 = 96$$

$$3 \times \boxed{7} = 21$$

$$\boxed{12} \div 4 = 3$$

$$3 \times 17 = 51$$

4



Do the calculation in each part and colour it according to the result.

- 25 Dark blue
- 12 Red
- 10 Yellow
- 16 Brown
- 64 Green
- 24 White
- 45 Light blue

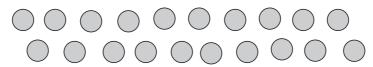
Answer the questions with divisons. Check with multiplications.

- a) For how many ② s can you exchange these 20 ③ s?

  Calculation:  $20. \div .2 = 10.$  Check:  $.10 \times .2 = 20.$

2

Answer the questions with divisons. Check with multiplications.



How many marbles would each child get if these marbles were shared equally among:

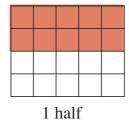
- a) 2 children Calculation:  $20 \div 2 = 10$  .... Check:  $10 \times 2 = 20$  ....
- b) 5 children Calculation:  $\overset{?}{\cancel{.}}$   $\overset{$
- c) 10 children Calculation:  $\overset{20}{\cdot}$ :  $\overset{10}{\cdot}$ :  $\overset{10}{\cdot}$ :  $\overset{2}{\cdot}$ :  $\overset{2}{\cdot}$ :  $\overset{10}{\cdot}$ :  $\overset{20}{\cdot}$ :  $\overset{2}{\cdot}$ :  $\overset{20}{\cdot}$ :  $\overset{2$
- d) 20 children Calculation:  $20 \div 20 = 1$  .... Check:  $1 \times 20 = 20$  ....
- e) 1 child? Calculation:  $\overset{20}{\cdot} : \overset{1}{\cdot} = \overset{20}{\cdot} : \overset{1}{\cdot} = \overset{20}{\cdot} : \overset{20}{\cdot} : \overset{1}{\cdot} = \overset{20}{\cdot} : \overset{20}{\cdot} : \overset{1}{\cdot} : \overset{$

3

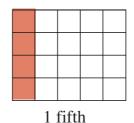
Colour different **fractions** of the shape.

E.g:

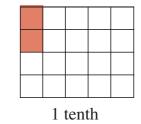
a)



b)



c)



4

Draw a line 9 cm long. Divide it into thirds.

3 cm

3 cm

3 cm

Write a division about each picture. Check with a multiplication.

a)

E.g.  $28 \div 7 = 4$  ... ... ... ... ...  $7 \times 4 = 28$ 

b) 0000000 0000000 0000000 0000000 0000000 0000000

0000000

E.g:  $56 \div 8 = 7$ 

Check:  $8 \times 7 = 56$ 

2 00000000 000000000 000000000 00

Write a division to show how 32 marbles can be shared equally among:

- 2 children  $32 \div 2 = 16$ a)
- 4 children  $32 \div 4 = 8$ b)
- 8 children  $32 \div 8 = 4$ c)

3 Complete the table.

Number of:

Legs															
People								l		l					
Chairs															
Spiders	0	_	_	_	1	-	2	3	4	5	6	7	8	9	10

Practise division.

 $80 \div 8 =$ a) 10

b) 32 ÷

= 8

 $16 \div 8 =$ c) 2

 $40 \div 10 =$ 4 40 ÷ = 10  $160 \div 8 =$ 20

 $40 \div 5 =$ 8

64 ÷ = 8 8

 $160 \div 80 =$ 2

 $24 \div 4 =$ 6 16 ÷ 2 8

 $12 \div 4 =$ 3

 $16 \div 2 =$ 8 14 ÷ 7  $120 \div 4 =$ 30

 $72 \div 8 =$ 9 35 ÷ 5 = 7  $0 \div 4 =$ 0

Write a division about each picture. Check it with a multiplication. E.g: a)  $21 \div 3 = 7$ Check:  $...3 \times 7 = 21$ .... b) Check:  $...6 \times 8 = 48$ .  $48 \div 6 = 8$ c)  $54 \div 9 = 6$  Check:  $9 \times 6 = 54$ 2 Write a division to show how 54 sweets can be shared equally among: 3 children  $... 54 \div 3 = 18$ . a) 6 children  $...54 \div 6 = 9$ b) 9 children  $... 54 \div 9 = 6$ c) 3 Complete the table. Number of: Sticks 2 18 27 3 6 12 15 21 24 30 33 | 36 54 12 0 10 18 1 0 1 2 3 5 6

a) 
$$60 \div 6 = \boxed{10}$$
 $60 \div 3 = \boxed{20}$ 

$$42 \div 6 = \boxed{7}$$

$$81 \div 9 = \boxed{9}$$

$$72 \div 8 = \boxed{9}$$

$$70 \div \boxed{10} = 7$$

c) 
$$18 \div 3 = 6$$

$$180 \div 3 = 60$$

90

30

15

10

$$9 \div 9 = 1$$

$$\boxed{0} \div 3 = 0$$

Complete the table.

Days	0	1	3	6	7	10	14	21	25	28	35	42	49	56	63	70	84
Weeks	0	_	_	_	1	_	2	3	1	4	5	6	7	8	9	10	12

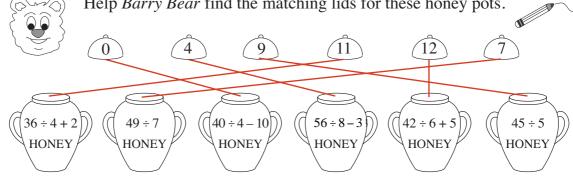
2 Divide the 35 sticks into 7 equal groups. Check your calculation in two ways.



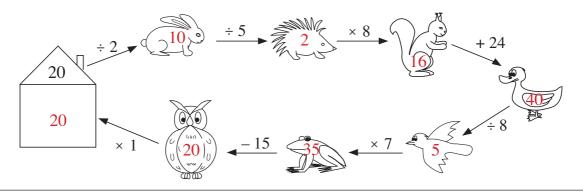
Calculation:  $...35. \div .7 = .5$ 

Check:  $7 \times 5 = 35$  Check:  $5 \times 7 = 35$ 

3 Help Barry Bear find the matching lids for these honey pots.



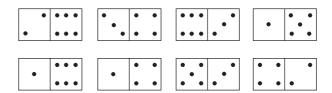
Follow the arrows, do what they tell you and write the final number in the house.



Try to solve this difficult puzzle!

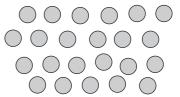
E.g:

Draw the dominoes in the square so that each row, column and diagonal has the same number of dots.



Grandpa gave 23 marbles to his 3 grandchildren. They want to share out the marbles equally.

> How many marbles will each grandchild get and how many marbles will remain?



Calculation:  $23 \div 3 = 7$ , remainder 2 Check:  $2 + 7 \times 3 = 23$ 

Answer: They will get 7 marbles each. There will be 2 marbles remaining.

2 What are the secret numbers? Do the calculations, then check your answer.

> I thought of a number. I divided it by 9 and the result was 6, remainder 3. a) What is the number I was thinking of?

Calculation:  $.3 \pm .6 \times 9 = 57$ .....

Check:  $57 \div 9 = 6$ , remainder 3 Answer:  $\boxed{57}$ 

I divided 47 by a number and the remainder was 2. What was the number? b) Calculation:  $.47.\div .5 = .9$ , remainder 2. or  $.47.\div .9 = .5$ , remainder 2, etc. . . Check:  $.2 + .9 \times .5 = 2 + .45 = .47$ , etc. Answer: .5 or .9

3 (15) 18 12

- Circle in *blue* the numbers which give a remainder of 1 when divided by 2. a)
- Circle in *green* the numbers which give a remainder of 2 when divided by 3. b)
- Circle in *red* the numbers which give a remainder of 3 when divided by 4. c)
- Tom has 78 stamps in his collection. He has already filled 2 stamp albums. How many stamps will go into a third album if each album can hold 30 stamps?

Calculation:  $78 - 2 \times 30 = 18$ 

Check:  $18 + 2 \times 30 = 78$ 

Answer: 18 stamps will go into a third album.

1 quarter of a line is 2 and a half cm long.  $4 \times 2$  and a half cm = 10 cm Draw the whole line. 10 cm

Practise division. What is the remainder? Check it with a multiplication.

a)

$$14 \div 3 = \boxed{4}$$

remainder

Check  $2 + 4 \times 3 = 14$ 

$$19 \div 2 = 9$$

remainder

Check  $1 + 9 \times 2 = 19$ 

remainder

Check

 $5 + 2 \times 6 = 17$ 

b)

$$28 \div 9 = \boxed{3}$$

remainder

Check

 $1 + 3 \times 9 = 28$ 

$$33 \div 5 = \boxed{6}$$

remainder

Check

 $3 + 6 \times 5 = 33$ 

 $24 \div 6 =$ 

remainder

Check

 $4 \times 6 = 24$ 

c)

$$47 \div 5 = 9$$

remainder Check

 $2 + 9 \times 5 = 47$ 

54 ÷ 6 =

remainder 0

Check

 $9 \times 6 = 54$ 

 $38 \div 9 =$ 

remainder

Check

 $2 + 4 \times 9 = 38$ 

2

During one week, Billy took 8 p out of his piggy bank every day. How much money was in Billy's piggy bank at the beginning of the week if 4 p remained at the end?



Calculation:  $4 + 8 \times 7 = 60$ 

Check:  $60 \div 7 = 8$ , remainder 4

Answer: 60 p was in the piggy bank at the beginning of the week.

3

Change £1 coins

into £5 notes.

Complete the table.

Number of:

(£1) 2 3

£5

10 | 16 | 24 43 | 18 | 3

(£1) remaining

77 |

15

99 100

20

0

19

Which number does each letter represent? Fill in the missing numbers.

 $8 \times a = 16$ 

 $6 \times b = 24$ 

 $c \times 3 = 24$ 

 $d \times 7 = 42$ 

35

7

3

52

10

2

61

12

 $12 \div e = 3$ 

c = |8|

e = |4|

 $g \div 8 = 7$   $35 \div h = 5$   $14 \div i = 3$ , remainder 2

g = | 56|

 $h = \boxed{7}$ 

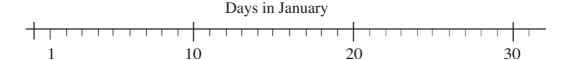
i = |4|

l =

j = | 8

k = 84

 $36 \div j = 4$ , remainder  $4 \quad k \div 9 = 9$ , remainder  $3 \quad l \div 7 = 9$ , remainder 164



If the 1st of January was a Saturday, which dates in January were:

- a) Saturdays .1st, .8th, .15th, .22nd, .29th ......
- b) Tuesdays 4th, 11th, 18th, 25th
- c) Fridays? .7th, .14th, .21st, .28th.....

2

List the whole numbers which make the inequalities true.

- a)  $8 \times 6 < a < 7 \times 8$   $a: 49, 50, 51, 52, 53, 54, 55 \dots (48 < a < 56)$
- c)  $3 \times 9 19 \ge c$   $c: 8, 7, 6, 5, 4, 3, 2, 1, 0, (-1, -2, ...), (8 \ge c)$ .
- d)  $16-36 \div 4 \le d$   $d: 7, 8, 9, 10, ... (7 \le d)$ .

3

Write the operations **without** brackets if possible so that the result is the same. Do the calculations as a check.

- a)  $(2+8) \times 7 = 2 \times 7 + 8 \times 7 = 70$
- b)  $(11-3) \times 9 = 11 \times 9 3 \times 9 = 72$
- c)  $(21 + 14) \div 7 = 21 \div 7 + 14 \div 7 = 5$
- d)  $(24-8) \div 4 = 24 \div 4 8 \div 4 = 4$
- e)  $80 \div (12-4) = 80 \div 8 = 10$
- f)  $72 \div (3+6) = 72 \div 9 = 8$

4

Do the calculations with and without brackets.

a) Grandma has 3 grandsons and 5 granddaughters. On her birthday, each grandchild gave her 7 flowers. How many flowers was she given altogether?

Calculation:  $(3+5) \times 7 = 8 \times 7 = 56$  or  $3 \times 7 + 5 \times 7 = 21 + 35 = 56$ Answer: Grandma was given 56 flowers altogether.

b) The 3 children in a family were given 90 p by Dad and 60 p by Mum. They shared the money equally. How much money did they each get?

Calculation:  $(90 + 60) \div 3 = 90 \div 3 + 60 \div 3 = 30 + 20 = 50$ 

Answer: The children had 50 p each.

Do the calculations in the correct order.

- a)  $54 + 5 \times 4 + 6 \div 2 = 54 + 20 + 3 = 77$
- b)  $40 + 3 \times 8 + 18 \div 9 = 40 + 24 + 2 = 66$
- c)  $76-7 \times 8-8 \div 4 = 76-56-2=18$
- d)  $92-4 \times 3-72 \div 8 = 92-12-9=71$

2

Do the calculations in the correct order.

- a)  $60 \div 6 + 4 \times 2 2 = 10 + 8 2 = 16$
- b)  $60 \div 6 + 4 \times (2 2) = 60 \div 6 + 4 \times 0 = 10 + 0 = 10$
- c)  $60 \div (6+4) \times 2 2 = 60 \div 10 \times 2 2 = 6 \times 2 2 = 12 2 = 10$
- d)  $(60 \div 6 + 4) \times 2 2 = (10 + 4) \times 2 2 = 14 \times 2 2 = 28 2$ = 26
- e)  $60 \div (6 + 4 \times 2 2) = 60 \div 12 = 5$
- f)  $60 \div (6+4) \times (2-2) = 60 \div 10 \times 0 = 6 \times 0 = 0$

3

Four children were given £90. They spent £30 and then shared the remaining money equally. How much money did they each get?

Plan: No. of children is 4. Given £90. Spent £30.

Had left £90 - £30

Calculation:  $(90 - 30) \div 4 = 60 \div 4 = 15$ 

or £90  $\div$  4 – £30  $\div$  4 = £22 50 p – £7 50 p = £15

Answer: They each got £15.

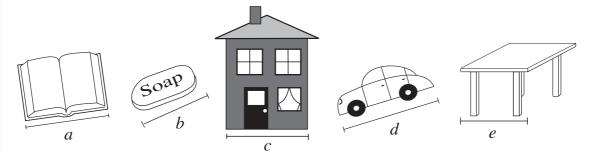
4

Fill in the missing numbers so that the equations are true, both horizontally and

vertically. E.g:

3	×	8	÷	6	= 4
×		÷		×	
1	×	2	×	9	=18
×		×		÷	
9	×	4	÷	6	= 6
=27		=16		= 9	

Imagine the size of these things in real life. Estimate their real lengths. Which letter could be written in which box?



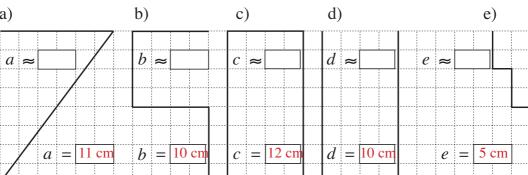
1 m < < 2 m  $8 \text{ cm} < \boxed{b} < 10 \text{ cm}$ 

20 cm < |a| < 30 cm

4 m < |d|< 5 m 10 m < *c* < 20 m

Estimate, then measure accurately, the total length of the lines.

a)



3

Fill in the missing numbers.

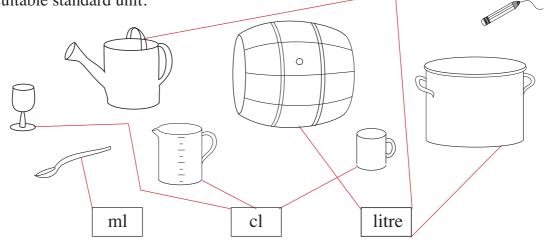
- a) 1 m 30 cm =130 cm
- b) 1 m 50 cm =150 cm
- 1 m 100 cm =1 m 26 cm =2 d) 126 c) m =200 cm cm
- 1 m 80 cm =180 e) cm
- 1 m 7 cm =107 f) cm

*Mr. Silly* estimated some quantities. If you agree with him, write a  $\checkmark$ . If you disagree, write a X and correct his mistake.

- **★**...... 135 cm My friend Bob is about 135 m tall. a)
- **×** 5 cm or 50 mm A matchbox is about 5 mm wide. b) **X** 70 cm A pupil's desk is about 70 mm high. c)
- My pencil is about 15 cm long. d)
- My pet rabbit has ears about 120 mm long. . ..... e)

Which cap

Which capacity would be measured by which unit? Join up the containers to a suitable standard unit.



2

What could the rule be? Fill in the missing numbers and complete the diagram.

$$10 \text{ cl} = 100 \text{ ml}, \qquad 100 \text{ ml}$$

$$100 \text{ ml} + \boxed{0} \text{ ml} = 100 \text{ ml}$$

$$50 \text{ ml} = \boxed{5} \text{ cl},$$

$$5 cl + \boxed{5} cl = 10 cl$$

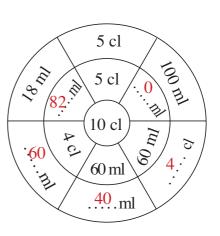
$$60 \, \text{ml} = \boxed{6} \, \text{cl},$$

$$60 \text{ ml} + \boxed{40} \text{ ml} = 100 \text{ ml}$$

$$4 \text{ cl} = \boxed{40} \text{ ml}, 40 \text{ ml} + \boxed{60}$$

$$ml = 100 \, ml$$

$$18 \text{ ml} + \boxed{82} \text{ ml} = 100 \text{ ml}$$



3

a)

For a picnic, we made some lemonade and poured it into 50 cl, 80 cl and 1 litre bottles.

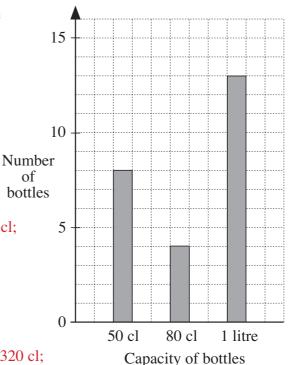
The graph shows the number of each size of bottle that we filled.

Do the calculations and answer the questions in your *Exercise Books*.

- estions in your *Exercise Books*. of bottles

  How many of each size of bottle

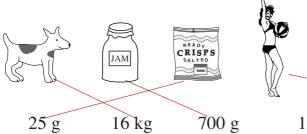
  did we fill?  $8 \times 50$  cl;  $4 \times 80$  cl;
- b) How much lemonade did we pour into each size of bottle?
- c) How much lemonade did we make altogether? 2020 cl
- b) 50 cl bottles: 400 cl; 80 cl bottles: 320 cl; 1 litre bottles: 13 litres

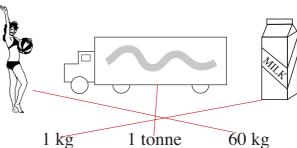


Page 18

How much do you think they weigh in real life? Join up each picture

to the suitable quantity.





2

Fill in the missing numbers and units.

1 kg = 1000a)

... quarter of a. kg = 250 gd)

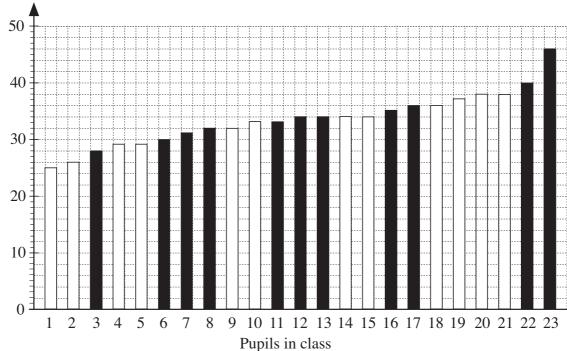
half a kg = |500|b)

- e) 1 tonne = 1000
- .... one and a half kg = 1500 g f) half a tonne = c)
- 500 kg

3

All the 23 pupils in a class were weighed. The results are arranged in increasing order. Boys are shown by *black* bars and girls by *white* bars.

Weight in kg



a) Which weight is the most common?

- 34 kg
- What is the weight of the 6th pupil from the left? b)
- 30 kg
- What is the weight of the 6th pupil from the right? c)
- kg 36
- d) What is the weight of the pupil in the middle?
- kg 34

Colour in the same colour the clocks where the hands are mirror images. a) Write below each clock the number of whole hours it shows. b) hours hours hours hours hours 2 Write below each clock how many hours and minutes the hands show. hours hours hours hours 50 15 minutes 35 minutes minutes minutes 3 There are 24 hours in a day. The clock started at midnight as: Draw where the hour and minute hands would be after: 9 hours 22 hours 15 hours 7 hours 18 hours 23 hours 45 minutes 15 minutes 30 minutes 45 minutes 55 minutes 15 minutes Change the measures of time. Write the calculations and fill in the results. 8 weeks 6 days  $8 \times 7 + 6$ 62 days a)  $3 \times 24 + 8$ 3 days 8 hours 80 hours b)  $2 \times 60 + 45$ 2 hours 45 minutes 165 minutes c) 3 minutes 10 seconds =  $3 \times 60 + 10$ 190 d) seconds

5

How many hours and minutes have passed from:



to



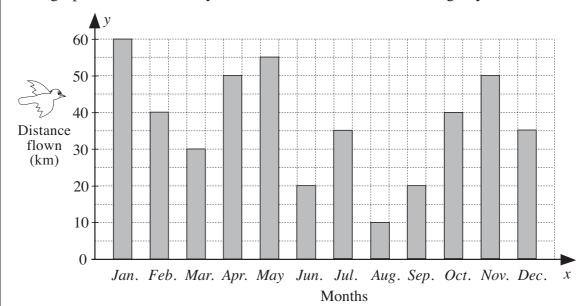
hours

50 minutes

hours

						Pι	ıpil	data	a							
	Head															
	Tail															
										Tot	al n	umb	er of	thro	ws	
b)	Write	the re	esults	for	the v	whol	e c	lass	in th	is ta	ble					
							C	lass	data							
Н	eads															
Ta	ails															
	L	1	1 1					1				1	1		1	-
	otal nun							c)	Wł	nich	res	ult h	appe	ened	mc	st c
	otal nun							,					11			
T	otal nun	iber of	f Tosse	es					• •		• •		• • •	• • • •		
a)	Throw 10 thr					tally	of	the r	esul		-					
a)	10 thr					tally	of		esul		-					
a)	10 thr					tally	of	the r	esul		-					
a)	10 thr					tally	of	the r	esul		-					
a)	10 thr					tally	of	the r	esul		-					
a)	10 thr  1 2 3 4					tally	of	the r	esul		-					
a)	10 thr					tally	of	the r	esul		-					
a)	10 thr  1 2 3 4 5					tally	of	the r	resul a	ts in	thi		ole.	nrows	S	
	10 thr  1 2 3 4 5 6	ows e	each.	Kee	ep a	P	of upi	the r	resul a	ts in Γotal	nur	nber	ole.	nrows	SS	
a) b)	10 thr  1 2 3 4 5	ows e	each.	Kee	ep a	P Whol	of upi	lass:	resul a	ts in Γotal	nur	nber	ole.	nrows	S	
	10 thr  1 2 3 4 5 6	ows e	each.	for	the v	whol	e c	lass	resul a	Total is ta	nur	nber	of th	mbe		
	10 thr  1 2 3 4 5 6	ows e	each.	Kee	ep a	P Whol	e c	lass:	resul a	Total is ta	nur	nber	of th	mbe		
	10 thr  1 2 3 4 5 6	ows e	each.	for	the v	whol	e c	lass	resul a	Total is ta	nur	nber	of th	mbe		
	10 thr  1 2 3 4 5 6	the re	each.	for 1	the v	whol Cla	e c	lass	resul a	Total is ta	nur ble	mber Tota	of th	mbe		

The graph shows how many km a bird flew each month during a year.



- a) How far did it fly in January?
- 60 km

- b) How far did it fly in March?
- 30 km
- c) In which month did it fly the furthest?
- January
- e) In which months did it fly exactly 20 km?
- June and September
- f) In which months did it fly over 50 km?
- January and May....

2

d)

The **pictogram** shows how many times the pupils in a class went swimming during the month of July.

Number of pupils

0 😟 🕁 送

 $\odot$ 

1

Number of times 2

- 3 🙂 🙂 🙂 🙂 🙂
- 4 (:) (:) (:)

a) Complete the table.

5 🙂 🙂 🙂 🙂

a) Complete the table.

Number of swims	0	1	2	3	4	5
Number of pupils	4	2	5	7	3	5

b) How many pupils went swimming at least once?

- 22
- c) How many pupils went swimming at least 3 times?
- 15
- d) Which number of times did exactly 5 pupils go swimming?
- 2 5
- e) Which number of times was the most common?

3

*Kanga* the kangaroo is teaching little *Tangy* to jump further. They practise jumping only on weekdays and have a rest at the weekend.

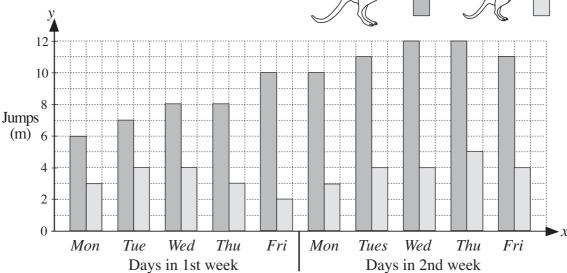
The graph shows the longest jumps they each made every weekday for 2 weeks.





12

m



- a) What is the **range** of *Kanga*'s jumps?
- b) On which day did *Tangy* jump furthest?
- c) On which day did *Tangy* get tired?
- d) In which week did *Tangy* try hardest?

From 6 m to

Thursday, 2nd week

Friday, 1st week

. 2nd week

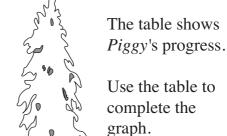
2

One day, *Piggy* decided to climb the huge pine tree in Fairy-tale Forest.

		У				•					Heigh (m)
	80										
	70										
	60				 	 	 				
Height	50					 	 				
climbed (m)	40										
	30										
	20			-	 		 				
	10				 						
	0				2	3	 1	4	5	6	x
			]	L	z ime			•	j	C	,

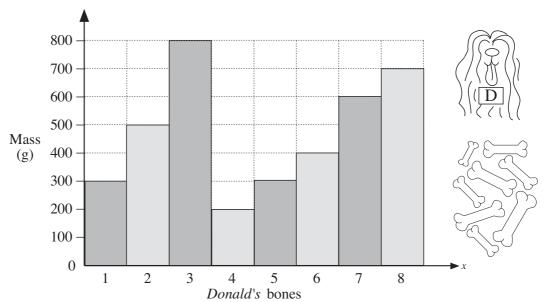
Time (min) 0 1 2 3 4 5 6

Height (m) 0 20 30 35 50 55 70





Donald Dog was practising weighing. He numbered all his bones and weighed each one. Then he made this graph.



- Which bone was: i) heaviest ...3..... ii) lightest? .4...... a)
- Which two bones weighed the same? ..1. and 5...... b)
- c) Write the data from the graph in this table.

Bone number	1	2	3	4	5	6	7	8
Mass (g)	300	500	800	200	300	400	600	700

2

The graph shows the number of inhabitants of *Domble Land*.

When was the population: i) highest .2011.... Population a) ii) lowest? .2005 ... 700 600 -500 400 300 200 100 0 2010 2011 2012 2013 2005 2006 2007 2008 2009

Complete the table using data from the graph. d)

b) When was there no change? 2009 - 2010 c) When was there a decrease? 2006 - 2007

2011 - 2012

Year	2005	2006	2007	2008	2009	2010	2011	2012	
Population	200	300	250	350	500	500	600	550	