SMILE WORKCARDS

Number and Algebra Mixed Pack One

Contents

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1	Bounce	1430
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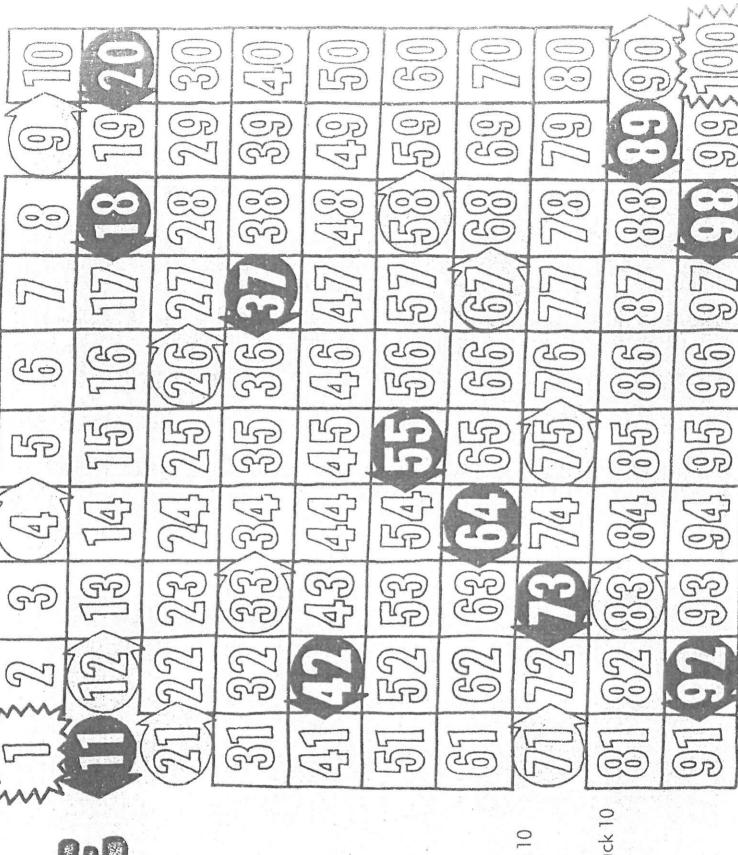
You will need counters and a dice.

Throw the dice.

First person to reach 100 wins.



Bounce back 10



Smile 1381

Money

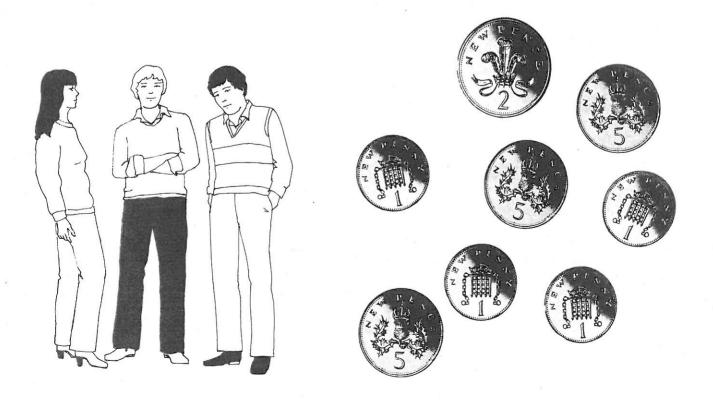
You will need the box of money. Put the money in piles.



1. How much is 4 times this?



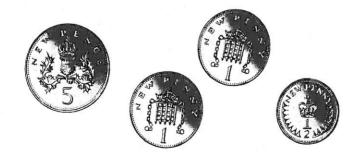
2. How much for each person?



3. How much more is needed to make 50p?



4. How much is 5 times this?



How much for each person? 5.

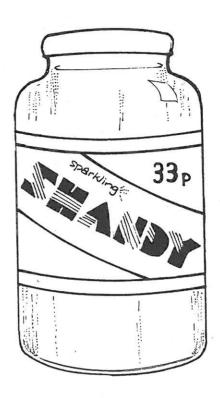


- (a) How much for 4 bars? (b) How much change from £1?

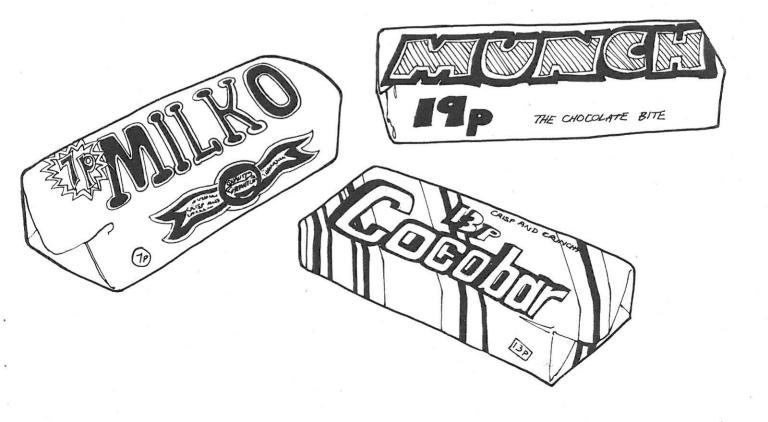


7. How much more does the can cost?



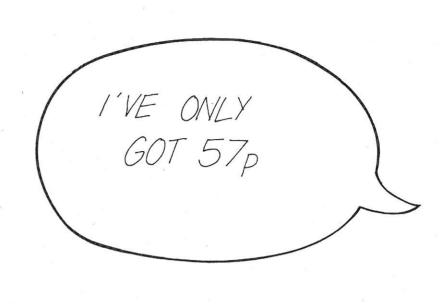


8. What is the total cost?

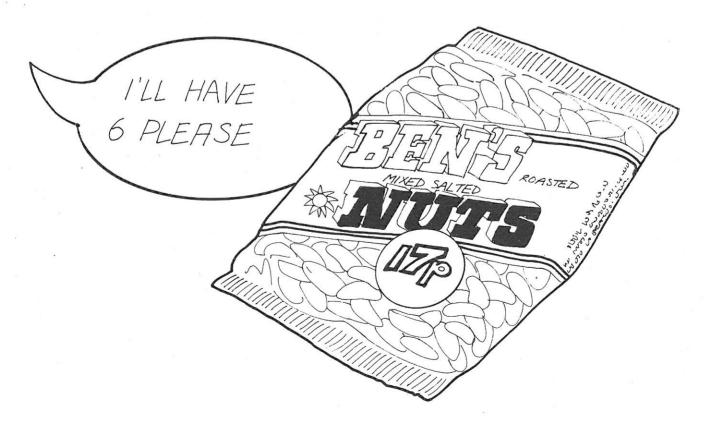


9. How much more do I need?





10. Is £1 enough?



Sum Messages

Shade in the boxes where the answer is the target number.

target 12

,				
9 + 9	20 – 5	7+7	6 x 3	22 – 8
7 + 5	19 – 7	3 + 9	24 ÷ 2	17 – 5
4 × 3	8+5	4×4	23 – 7	30 – 16

target 4

40 ÷ 10	6-2	20 – 16	8÷2	7 – 3
6-2	3+3	5-2	12 ÷ 2	12 ÷ 3
23 – 19	2 x 2	24 ÷ 6	3+1	4 × 1

target 7

10 - 3	21 ÷ 3	3 + 4	15-9	10 – 4
7 × 1	15÷3	5+2	20 – 12	6 x 1
2+5	14÷2	12-5	20 – 13	6+1

The word is _____

target 8

77			
24 ÷ 3	2 x 4	20 – 12	5+3
11 – 4	17 – 9	3 × 3	14-7
8 x 1	15-7	6+2	14-6
	×1 11-4 24÷	x 1 11 - 4 24 ÷ -7 17 - 9 2 x	x 1 11 - 4 24 ÷ 3 -7 17 - 9 2 x 4 +2 3 x 3 20 - 1

target 10

2 x 5	4+5	3 x 2	23-7	4+6
9 + 1	4 + 4	11 – 4	3 x 3	13 - 3
7+3	23 – 13	2+8	5+5	11-1

target 3

4	3	_	3	17
. .	1	×	- -	I
12	2	2	12	20
11 – 8	1 – 4	8 – 5	1 + 3	5 – 2
2	4	21	8	6
. -	i		.l.	1
9	7	24	6	12

The word is

Make up a grid for the first letter of your name.

•	C:~~	+40	nrina	fram	+40
•	LILIC	me	prices	11011	uie

CAFE

and add up each person's bill.

0000000000	0000000000	
99999999999	8080808080808	999999999999
<u>Tariq</u>	Flora	Neil
Vegetable Bake £2 · 30	Cheese Salad	Chicken Curry and Rice
Ice Cream £1 · 25	Tea	Fruit Salad
Orange Juice £0 · 60	Lemon Pancake	Tropical Juice
GAFE MENU Total £4.15	CAFE MENU Total	CAFE MENU Total
99999999999	99999999999	999999999999
Mai Ling	Saskia	George
Salad Bar	Vegetarian Pizza	Baked Potato and Tuna
Fruit Salad	Ice Cream	Lemon Pancake
Orange Juice	Orange Juice	Apple Juice
GAFE MENU Total	GAFE Total	CAFE Total

Each person gives a £10 note to pay their bill.

Work out how much change each person will get.

Tariq —	£10 · 00	Flora	£10 · 00	Neil	£10 · 00
Total	£4·15	Total		Total	
Change	£5 · 85	Change		Change	
Mai Ling	£10 · 00	Saskia	£10 · 00	George	£10 · 00
Total		Total		Total	
Change		Change	1	Change	

CAF MBSU ••••••••••••

Pood	
Main Courses	
Vegetable Bake	£2.30
Cheese Salad	£2.00
Salad Bar	£2.50
Chicken Curry and Rice	. £3·15
Ham and Mushroom Pizza	. £3.90
Vegetarian Pizza	. £3·70
Baked Potato and Tuna	£2·10
Puddings	
Ice Cream	£1.25
Fruit Salad	£1-40
Lemon Pancake	£2.00
•••••••	00000
)rinks	
Orange Juice	£0.60
Apple Juice	£0.60
Tropical Juice	£0.70
Mineral Water	. £0·50
Tea	£0.45
Cola	£0.65

SCORE

2 8 8

PUZZLE WORKShaet How many scramble? TANDOUSH 1000 ERUNDDH NET_INTHEGETOW— ENO_WYTENT_EISNEXT—

RIFLE

Shade in all the shapes whose numbers are multiples of 4

Hidden Picture

10

ဖ

69

65

63

က

SCORE

306

Doug

Pat

Leroz

Five people's score cards who won?

20

16

ω

5

19

99

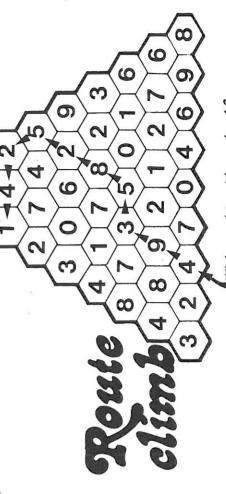
62

61

44

68

64



23

28

9

31

37/36

35

49

42

39

51

53

57

55

54

45

4+9+3+5+8+2+5+2+4+0+6=49Find a route which adds up to 41.

Find the route

Start at Start and find your way to the End

You can only go into the squares where the answer is 10 or 24.



- Colour in your route as you go along.
- You can only move









			•	Start	7		*	
2 + 2	3 x 4	11 – 3	12 x 7	7 + 3	8 + 1	5 + 2	3 + 6	9 – 6
1 + 5	10 ÷ 2	9+6	7 + 5	6 + 4	11 – 1	8 x 3	2 x 12	3 x 3
11 – 1	20 ÷ 2	5 x 2	2 + 14	5 ÷ 5	4 + 5	6 x 5	9 + 1	12-0
3 + 7	11 x 1	26 – 2	20 + 4	6 x 4	4 + 4	7 + 14	6 x 4	10 x 0
1 + 9	15 – 5	9+2	18 – 6	12 +12	8 + 2	10 + 0	4 x 6	23 + 2
3 + 11	12 x 2	13 – 3	5 + 5	6 ÷ 3	7 + 6	8 x 1	3 + 6	7 + 7
5 + 3	7 + 2	9 x 3	3 x 8	10 + 0	10 x 0	9 + 4	4 + 3	3 x 9
4+0	10 x 10	8 + 1	4 ÷ 4	28 – 4 End	3 + 2	2 x 6	13 – 4	18÷9



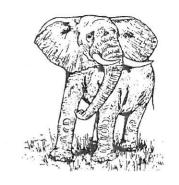
Wildlife Collection

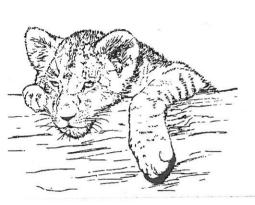
You will need: Smile worksheet 2225a and the box of coins.

Louise collected money for a wildlife charity from three classes.

To help count the money she puts the coins into piles.

She records the amounts collected from each class on a school Paying-in slip.





School Bank			Paying	g-in sli _l
		M - 1 - 0 -	Amo	unt
Class	Coins	Number in pile	£	р
	£1			
Date	50p			
	20p			
	10p			
	5p			
	2p			
Paid in by	1p			
		Total Amount		-

This is what Louise collected from Class 1.

























0 coins

0 coins

3 coins 5 coins

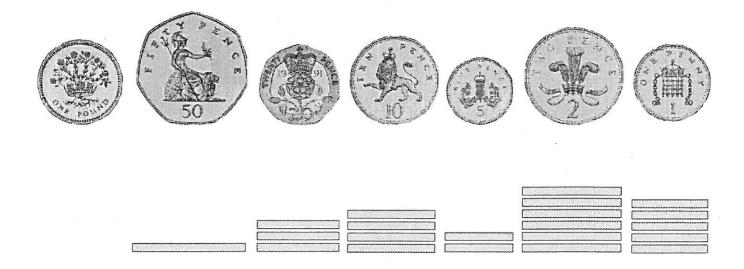
3 coins 4 coins

3 coins

On the worksheet

- Complete the Paying-in slip for the coins which Louise collected from Class 1. There are three 20p coins. $20p \times 3 = 60p$. This row has been filled in.
- Make sure that the Total Amount is correct. (Remember 100 pence is £1.00.)

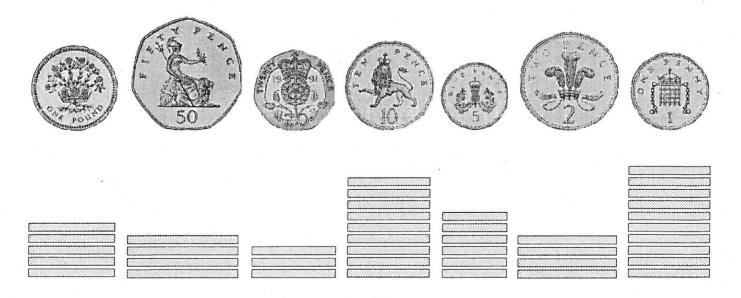
This is what Louise collected from Class 2.



On the worksheet

- Complete the Paying-in slip for the coins which Louise collected from Class 2.
- Make sure that the Total Amount is correct.

This is what Louise collected from Class 3.



On the worksheet

- Complete the Paying-in slip for the coins which Louise collected from Class 3.
- Fill in the Total Amount.

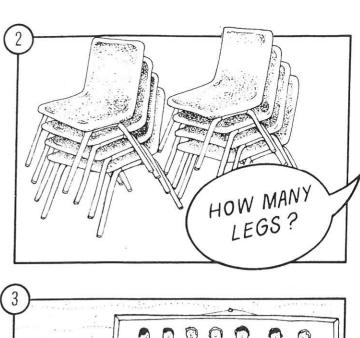
School Bank		1	Paying	-in slip
			Amo	unt
Class 1	Coins	Number in pile	£	р
Date	£1			
	50p			
	20p	3		60
	10p			
	5p			
Paid in by	2p			
	1p			
Louise ————		Total Amount	1	36

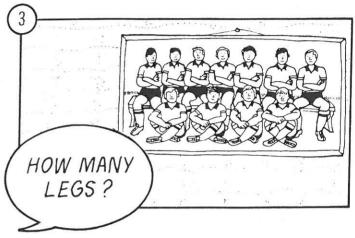
School Bank			Payin	g-in sli	р
	Coins	Niumbar in nile	Amo	unt	
Class 2	Coms	Number in pile	£	р]
	£1				
Date	50p				
	20p				
* ** ** ** **	10p				
	5p				
	2p				
Paid in by	1p				
Louise		Total Amount	1	77	

		Paying	g-in sli
	N	Amo	unt
Coins	Number in pile	£	р
£1	· ·		
50p			
20p			
10p			
5p			
2p			
1p			
V	Total Amount		
	50p 20p 10p 5p 2p	Coins Number in pile £1 50p 20p 10p 5p 2p 1p 1p	Coins Number in pile £ £1 50p 20p 10p 5p 2p 1p 1p 1p

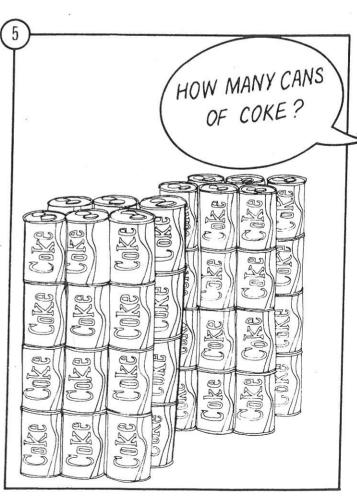
NUNBER THINGS

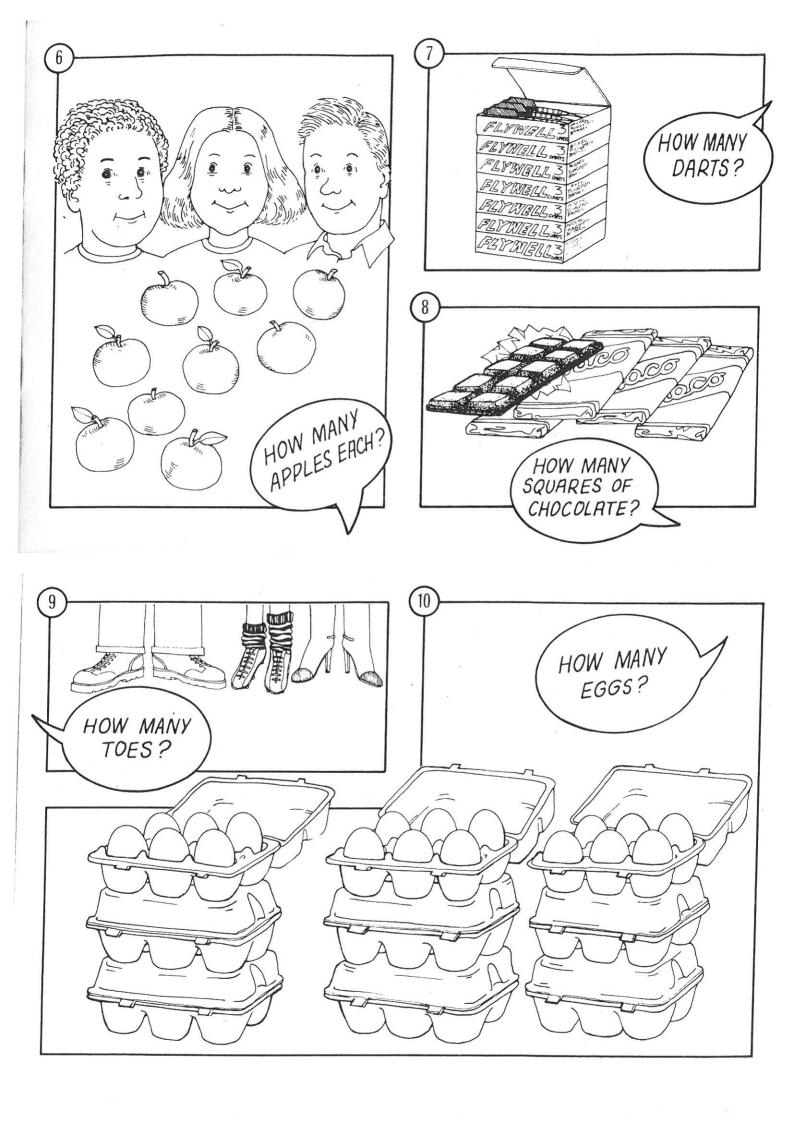


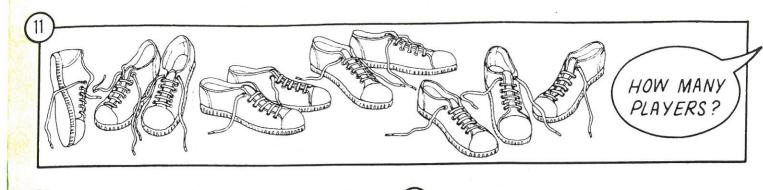


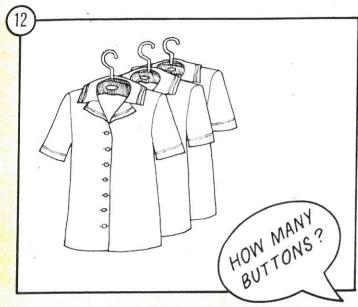


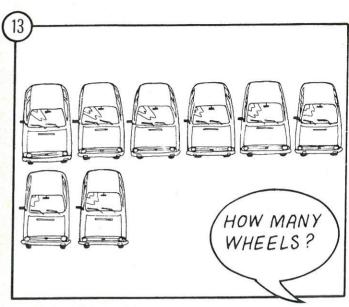




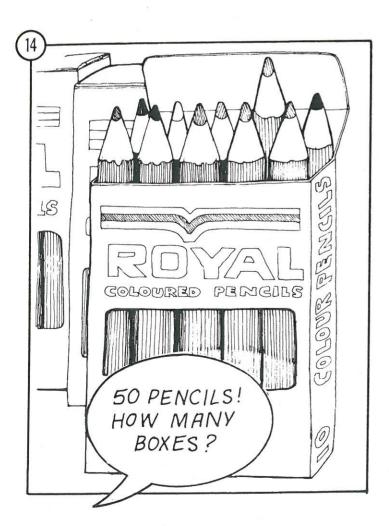


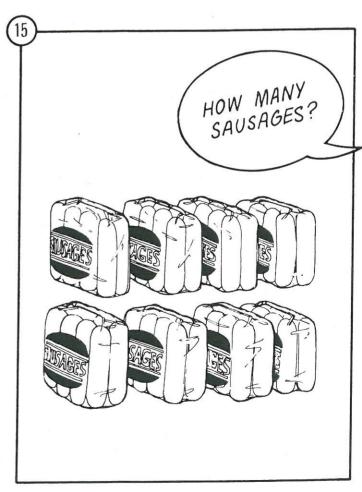




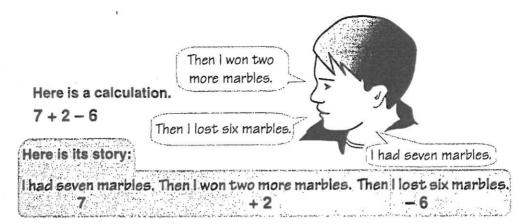


TURN OVER





Number Stories

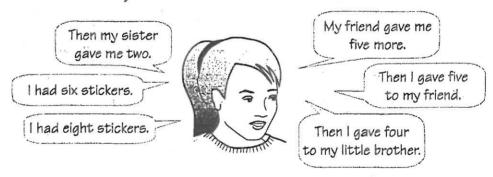


1. Here are two other calculations.

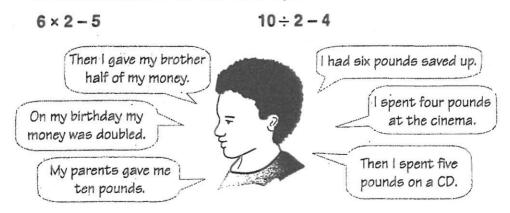
$$8 - 5 + 2$$

$$6 + 5 - 4$$

Use the sentences below to make a number story for each calculation. Write them down in your book.



2. Here are two more calculations. Use the sentences below to make a number story for each calculation. Write them down in your book.



3. Make up number stories for each of these calculations and show them to your teacher.

$$8 - 3 + 7$$

$$4 \times 3 + 6$$

Clues across

Cross Puzzles

Use the clues to solve these two cross puzzles.

- 1.20 3
- 2. 1+3+5+7+9
- 5. Two hundred and sixty-four
- One less than 70 œ.
- $10 \times 10 1$ 6

Clues down

- 1. Number of hours from midnight to noon.
- Half of a hundred.
- 188 + 100 + 78 $2 \times 2 \times 2 \times 2$
 - 7. 7×7

Clues across

0

- 1. 100 + 10 + 1
- Number of hours in one day.

Clues down

1.8+6

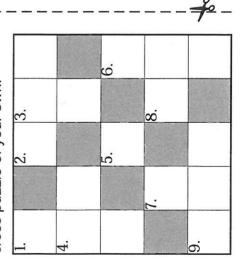
- $2 \times 2 \times 2 \times 2 \times 2$ 4.
 - Half of 10 9
 - 7. 6 x 10 8. 3 x 3 x 3 9. 110 5 $3 \times 3 \times 3$

5. 3 less than 300

3. 6×6×6

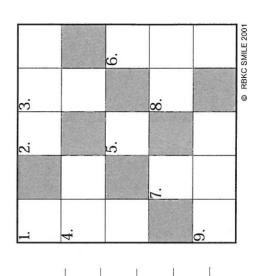
9+7+5+3+1

Use the grid below to invent a cross puzzle of your own.



Write the clues and give it to someone else to solve. Clues down Clues across

<u>-</u>	3.	5.	6.	7.
	2	4.	œ.	6



The Key to Success

>
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in any order.

.

2

Use these keys only

11 + I

11

+

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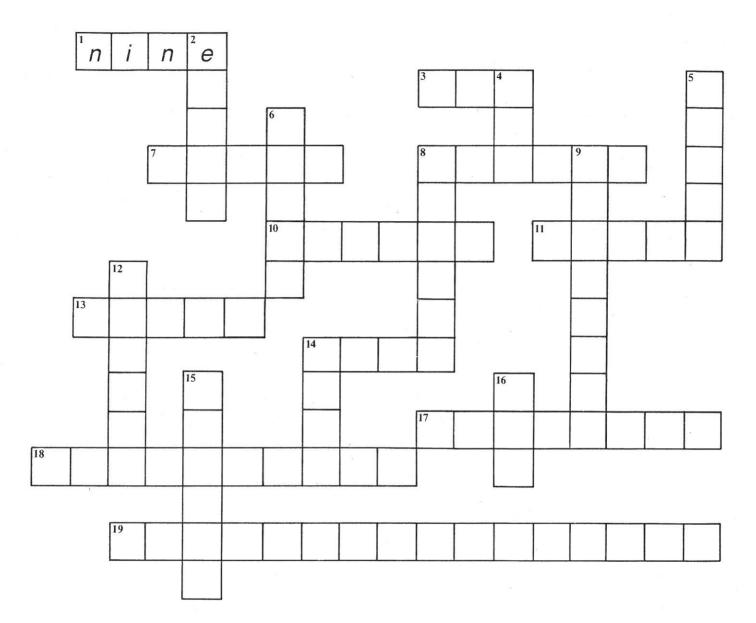
Use these keys only

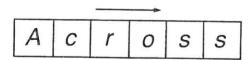
6 3 in any order.

in any order.

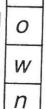
9

Crossword





- 1. Three times three
- 3. One pair
- 7. Take away seventeen from twenty
- 8. Four times five
- 10. $33 \div 3$
- 11. Twelve fives
- 13. Double 25
- 14. Half of ten
- *17.* △
- 18. Centimetres in a metre (two words)
- 19. 30mm (two words)



- 2. Sixteen divided by two
- 4. One less than two
- 5. Eight times five
- 6. The number of days in a week
- 8. One dozen
- 9. Twenty minus seven
- 12.
- $14. \quad 7 + 9 3 + 10 20 + 1$
- 15.
- 16. Four plus two

Plus and Minus Grids

In this grid there are 3 additions and 2 subtractions.

Distance of the last	3	8	7	2	5)
-	9	4	1	5)	6)
	12	0	5	2	3

$$3 + 9 = 12$$
 $7 - 2 = 5$
 $4 + 1 = 5$
 $1 + 5 = 6$
 $5 - 2 = 3$

In the following two grids, draw rings around sets of three numbers to make additions and subtractions.

You can go across --> or down

1. This one has 5 additions and 2 subtractions.

					_
4	2	7	9	6	
3	8	2	1	7	
3	5	9	10	13	
6	3	6	1	5	

+		
+	=	
+	=	
+	=	

•		
_	=	
_	=	

2. This one has 4 additions and 3 subtractions.

6	0	9	3	2	1
5	4	8	12	6	15
1	3	11	2	7	8
3	6	0	8	13	7
0	4	4	10	2	4

+] = [
+	_ =
+	=

	=	
_	=	
_	=	

3. Fill in this grid to make your own puzzle.

<u> </u>			
		88.5	
-			

This one has additions and subtractions.

 Copy the grid and ask somebody to find the additions and subtractions.

Sum and Product

To find the sum we add e.g. 2+5=7To find the product we multiply e.g. $2 \times 5 = 10$

		sum	product
6	5	11	30
7	3		
2	9		
4	8		
5	6		
3	7		
8	8		
10	11		
9	4		
4	11		
6	8		
9	7	,	¥
12	12		
8	9		*
11	12		

Sum and Product Again

To find the **sum** we add e.g. 5+3=8To find the **product** we multiply e.g. $5 \times 3=15$

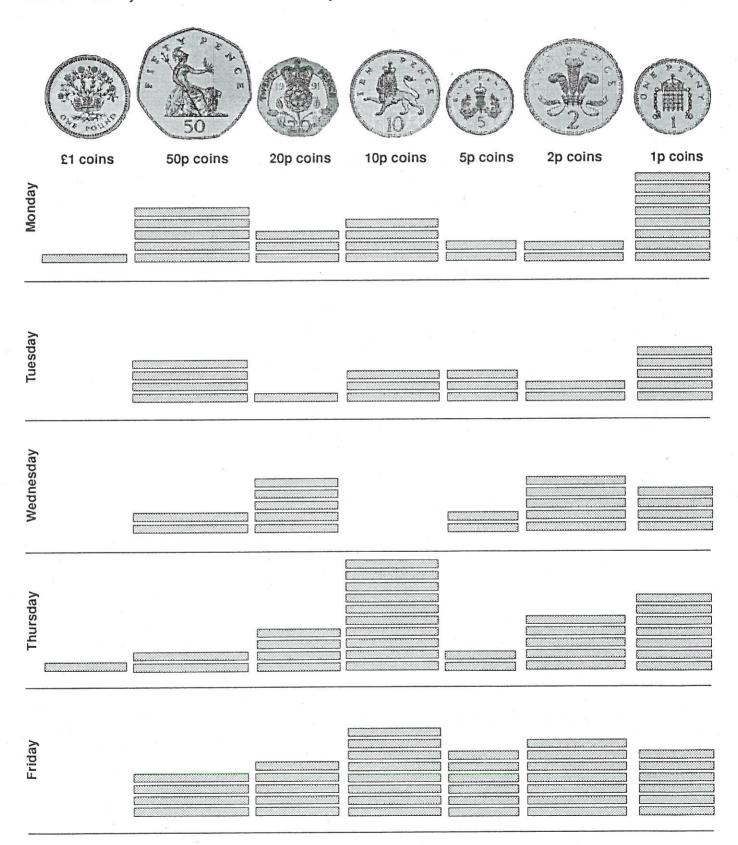
		sum	product
3	4	7	12
4	5		
5	6		
6	7		
7	6		
8	5		
9	4		
10	3		
11	2		
12	5		el
10	11		
9	8		
8	8		
7	12		2
11	11		

Shajjad's collection

You will need worksheet 2224a.

Shajiad put a collection box for a charity in his classroom for one week.

At the end of each day he sat down with his teacher to see how much money had been collected. This is what they found at the end of each day.



• Fill in the amounts for each day's collection using the Paying-in slips on worksheet **2224a**. Monday's has been started.



Look at the Paying-in slips you have completed on the worksheet.

1. Copy this table.

Fill in the amounts collected by Shajjad on each day.

Work out the total amount that he collected for one week.

Day	Amount collected
Monday	£4.72
Tuesday	£2.74
Wednesday	
Thursday	
Friday	
Total for one week.	

- 2. On which day did Shajjad collect most money?
- 3. On which day did Shajjad collect least money?
- 4. How much more money did Shajjad collect on Friday than on Wednesday?
- 5. On which days did Shajjad collect more than £3.50?

School Bank	Coins	Number in pile	Amo £	unt p
Paying-slip	£1	1	1	00
	50p	5	2	50
	20p			
	10p			
Monday	5p			
	2p		***************************************	
	1p			
Paid in by Shajjad	ТР	T-1-1 A	4	72
		Total Amount	7	72
School Bank	Coins	Number in pile	Amo	unt
Paying-slip		Trainistr in pile	£	р
	£1			
	50p			
	20p			
Tuesday	10p			
,	5p			
	2p			
Paid in by Shajjad	1p			
		Total Amount	2	74
School Bank	Coins	Number in pile	Amo £	unt p
Paying-slip	£1			
	50p			
	20p			
M/a da a a da .	10p			Also de la companya della companya della companya della companya de la companya della companya d
Wednesday	5p			
	2p			
Boild in hy	1p			
Paid in by Shajjad		Total Amount		
School Bank	Coins	Number in pile	Amo £	unt p
Paying-slip	£1			
	50p			
	20p			
	10p			
Thursday	5p .			
	2p			
B.110.1	1p			
Paid in by Shajjad	.,,	Total Amount		
School Bank	Coins	Number in pile	Amo	unt p
Paying-slip	£1		L	P
	50p			
	20n			
	20p			
Friday	10p			
Friday	10p 5p			
Friday Paid in by Shajjad	10p			