

Mixed bag

A Copy these sums, writing in the missing digits.

1

$$\begin{array}{r} 27 \\ +47 \\ \hline *4 \\ \hline \end{array}$$

2

$$\begin{array}{r} 4* \\ +36 \\ \hline 82 \\ \hline \end{array}$$

3

$$\begin{array}{r} 35 \\ +*4 \\ \hline 79 \\ \hline \end{array}$$

4

$$\begin{array}{r} *8 \\ +44 \\ \hline 82 \\ \hline \end{array}$$

5

$$\begin{array}{r} 67 \\ -49 \\ \hline *8 \\ \hline \end{array}$$

6

$$\begin{array}{r} 7* \\ -36 \\ \hline 36 \\ \hline \end{array}$$

7

$$\begin{array}{r} 55 \\ -*6 \\ \hline 19 \\ \hline \end{array}$$

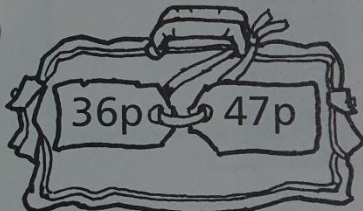
8

$$\begin{array}{r} *8 \\ -59 \\ \hline 19 \\ \hline \end{array}$$

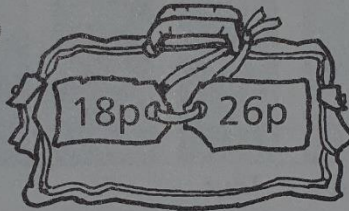
B Total each pair of labels.

Write how much change you would get from £1 for each total.

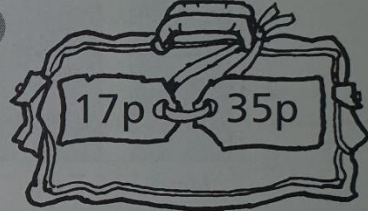
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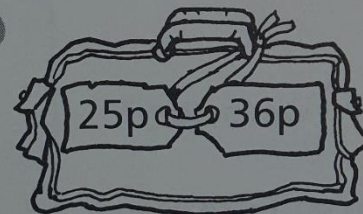
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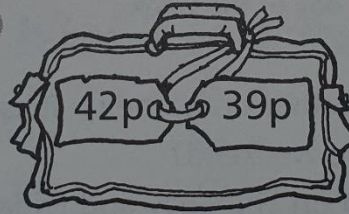
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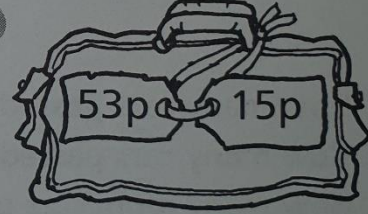
4



5



6



C

name	number of crisp bags collected
Chloe	32
Ryan	41
Ali	34
Lisa	17

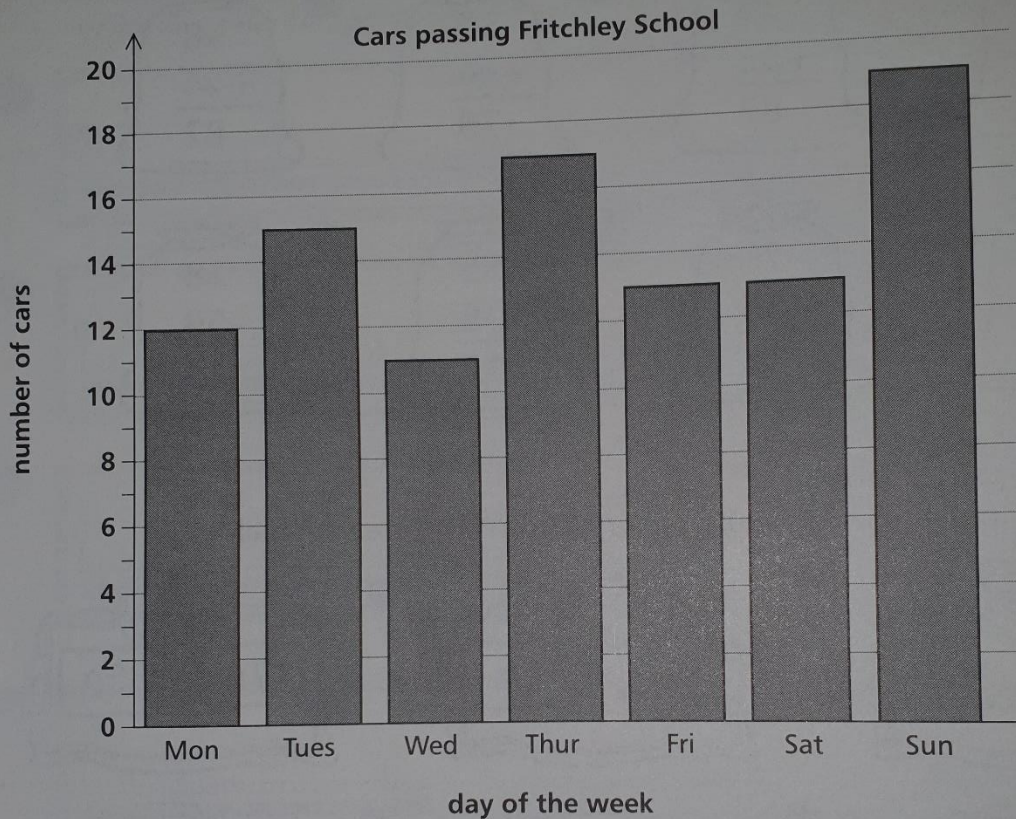
- 1 How many more has Ali collected than Lisa?
- 2 How many more has Ryan collected than Chloe?
- 3 How many have Ryan, Ali and Lisa altogether?
- 4 How many have Chloe and Lisa altogether?



Name _____

Traffic survey

Here is a graph showing how many cars passed Fritchley School during one week.



- 1 How many cars passed altogether on Monday, Tuesday and Wednesday?
- 2 How many cars passed at the weekend?
- 3 How many more cars passed on Thursday and Friday than on Tuesday and Wednesday?
- 4 How many more cars passed on Sunday and Monday than on Tuesday and Wednesday?
- 5 How many cars passed altogether?



Name _____

Number riddles

Write the answers to the sums.

Use the answers to solve the riddles.

A

What did the calculator say to the bank clerk?

<i>A</i>	<i>C</i>	<i>E</i>	<i>M</i>	<i>N</i>
67	72	34	90	37
+25	-36	+28	-46	+56
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
<i>O</i>	<i>T</i>	<i>U</i>	<i>Y</i>	
72	25	51	37	
-48	+48	-18	+37	
_____	_____	_____	_____	
_____	_____	_____	_____	

answer: (74) (24) (33) (36) (92) (93)

(36) (24) (33) (93) (73) (24) (93) (44) (62)

B

What is an octopus?

<i>A</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>G</i>
54	70	36	56	42
+27	-35	+29	-28	+58
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
<i>H</i>	<i>I</i>	<i>N</i>	<i>S</i>	<i>T</i>
62	29	71	47	80
-38	+68	-18	+47	-26
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

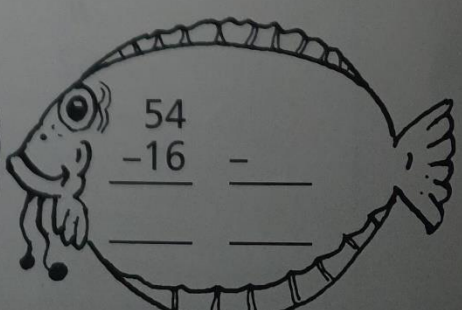
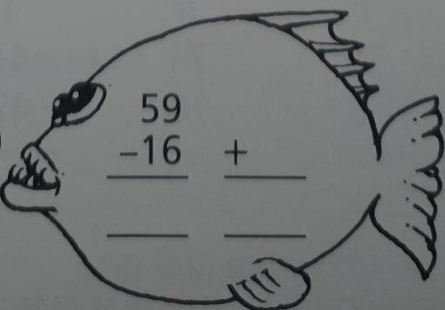
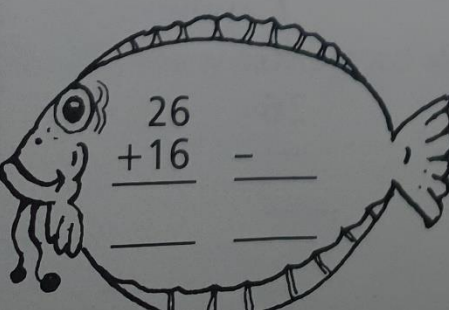
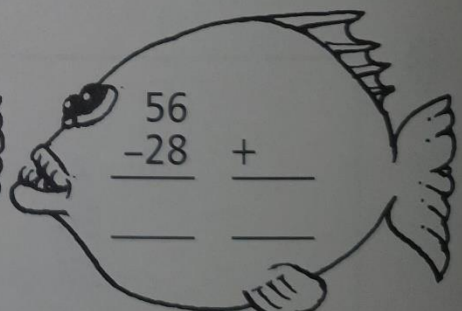
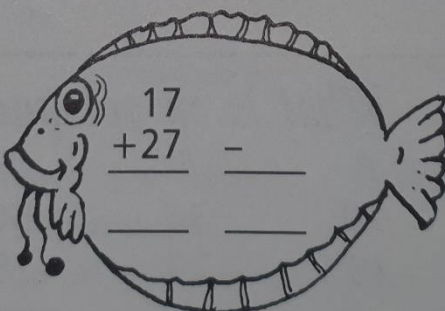
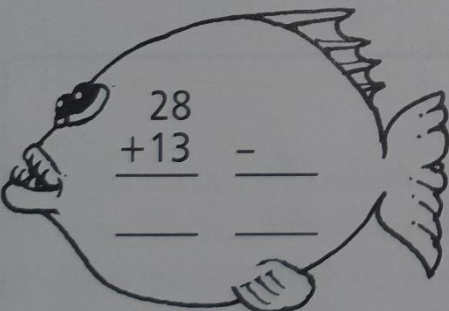
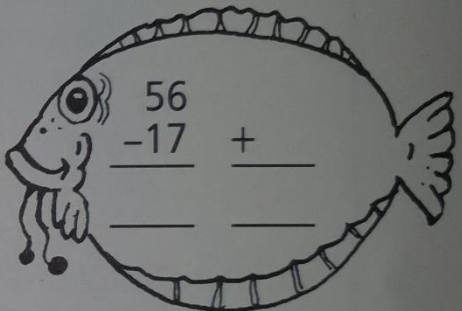
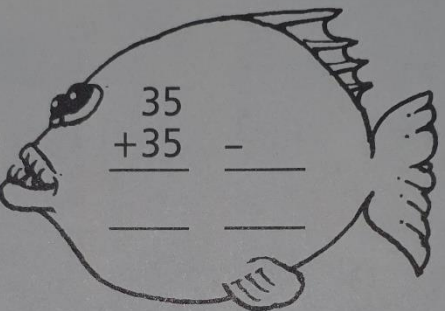
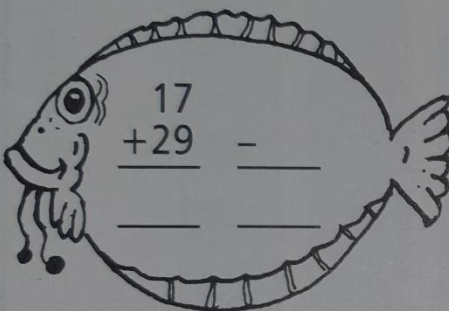
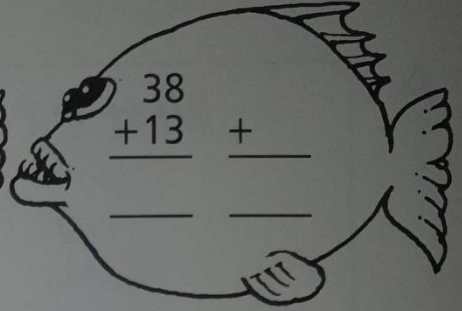
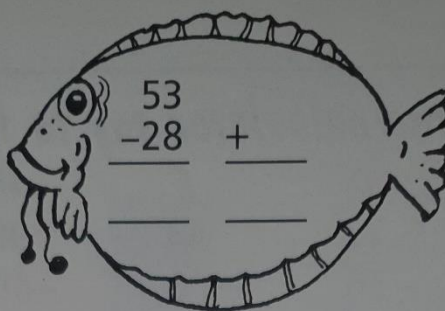
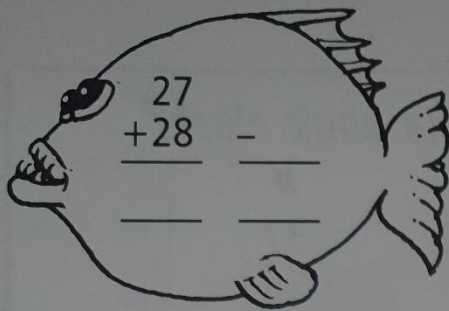
answer: (81) (53) (28) (97) (100) (24) (54)

(94) (97) (65) (28) (65) (35) (81) (54)

Name _____

Something fishy

Answer each sum, then write a different sum with the same answer.



Name _____

Calculator touches

Write in numbers to make the calculator answers.

A 3 6 + - =

5 8 + - =

9 1 - + =

7 5 - + =

B + - =

+ - =

- + =

- + =

Brain teaser

Only touch nine calculator keys.
You must use the plus and minus keys.
Find ten different ways of making 50.

Name _____

Addition riddles

Write the answers to the sums.

Use the answers to solve the riddles.

A

Where was Grandma when the lights went out?

<i>A</i>	<i>D</i>	<i>E</i>	<i>H</i>	<i>I</i>
34	52	45	29	25
+27	+26	+45	+26	+66
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
_____	_____	_____	_____	_____

<i>K</i>	<i>N</i>	<i>R</i>	<i>T</i>
19	26	37	65
+77	+46	+29	+28
<u> </u>	<u> </u>	<u> </u>	<u> </u>
_____	_____	_____	_____

answer: (91) (72) (93) (55) (90) (78) (61) (66) (96)

B

Where do policemen live?

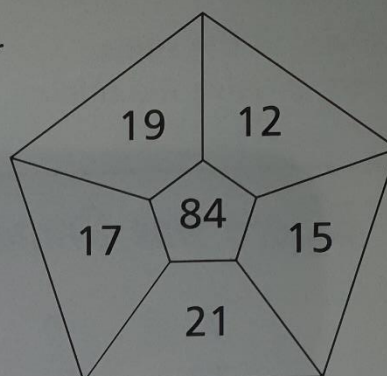
<i>A</i>	<i>B</i>	<i>E</i>	<i>L</i>	<i>N</i>
48	17	55	27	48
+47	+69	+19	+56	+13
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
_____	_____	_____	_____	_____
<i>S</i>	<i>T</i>	<i>U</i>	<i>V</i>	<i>Y</i>
36	27	36	17	29
+27	+27	+14	+26	+15
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
_____	_____	_____	_____	_____

answer: (83) (74) (54) (63) (86) (44) (95) (43) (74) (61) (50) (74)

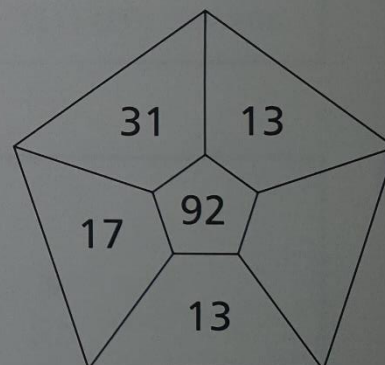
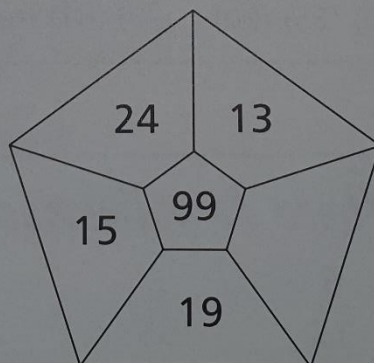
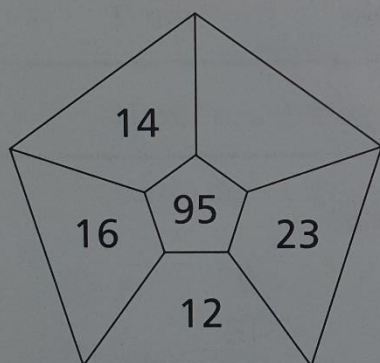
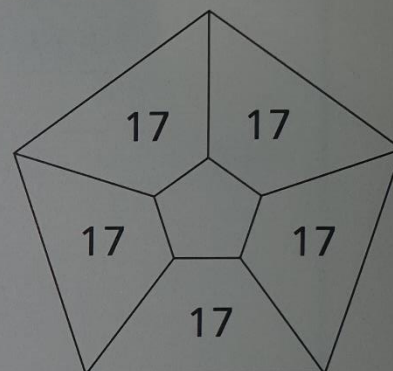
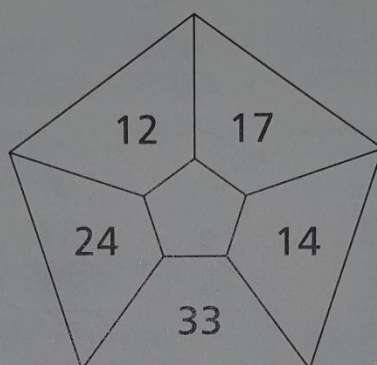
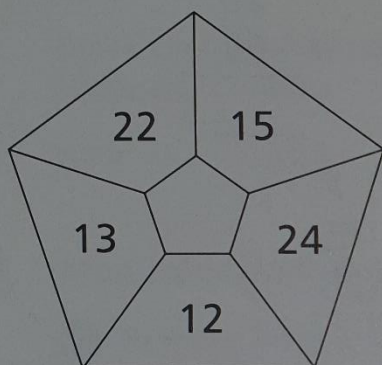
Name _____

Addition pentagons

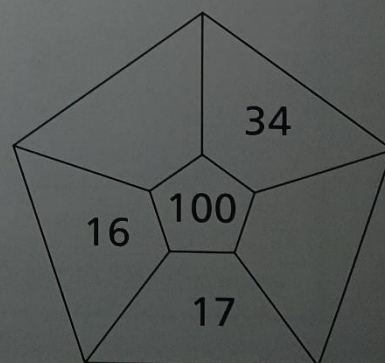
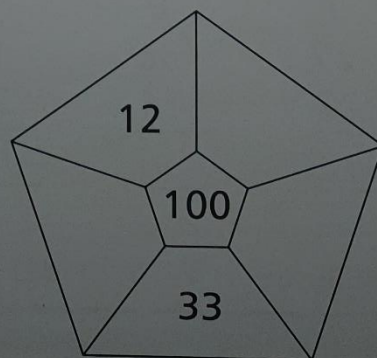
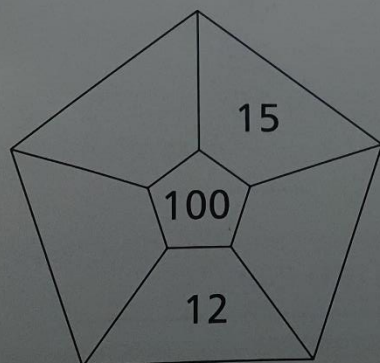
The number in the centre is the total of the other five numbers.



Complete these addition pentagons.

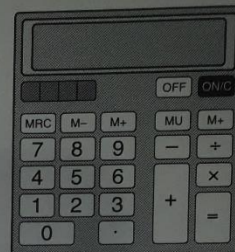


Now make up some answers to these addition pentagons.



Name _____

Tens and hundreds



- A** Here are four ways of breaking up 362.
Only hundreds, tens and units have been used.

$$\begin{aligned}
 362 &= 300 + 60 + 2 \\
 &= 200 + 100 + 50 + 10 + 2 \\
 &= 100 + 100 + 100 + 60 + 2 \\
 &= 200 + 100 + 20 + 20 + 10 + 10 + 6
 \end{aligned}$$

Break each of these numbers up using hundreds, tens and units.
Write each number in four different ways.

673

492

384

561

755

846

- B** Most calculators can use a **constant**.

- 1 To make your calculator's constant +10 try this:

Press **1** **0** **+** **+** **=**

Now keep pressing **=**

Write down the number pattern.

- 2 Press **5** **6** **+** **+** and keep pressing **=**

Write the number pattern.

- 3 Try starting with different numbers, such as 245.

Brain teaser

Make the constant +100 by pressing **1** **0** **0** **+** **+** **=**

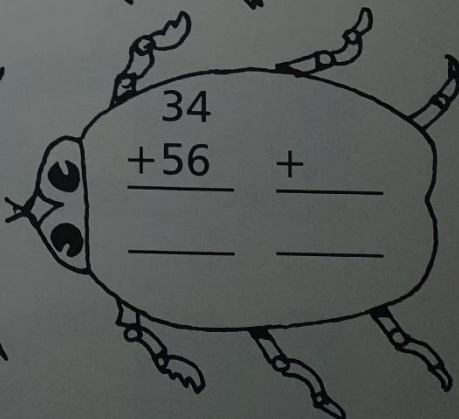
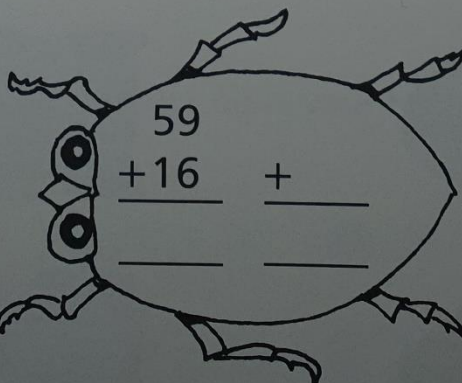
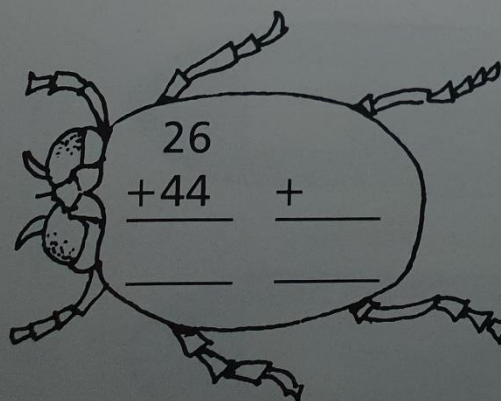
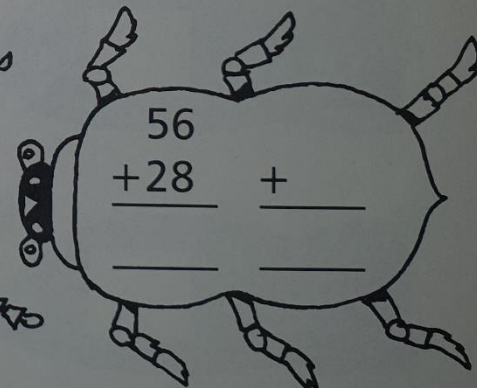
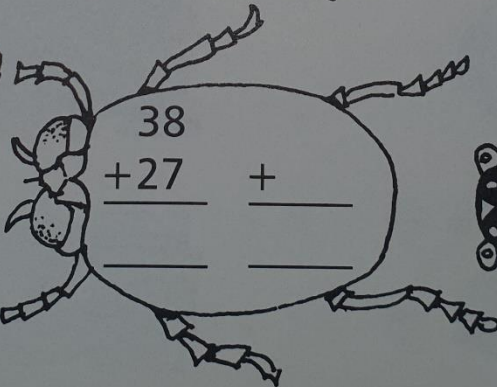
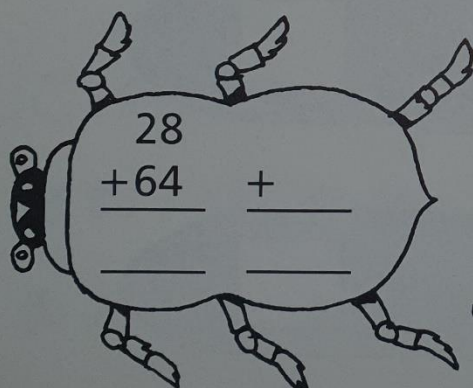
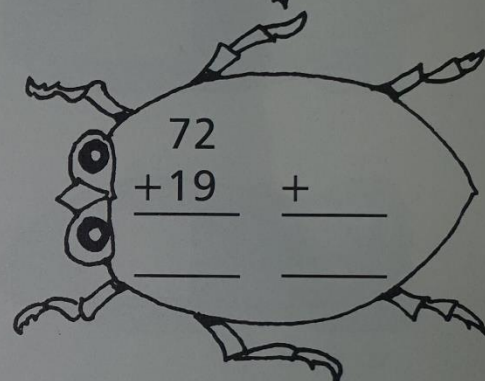
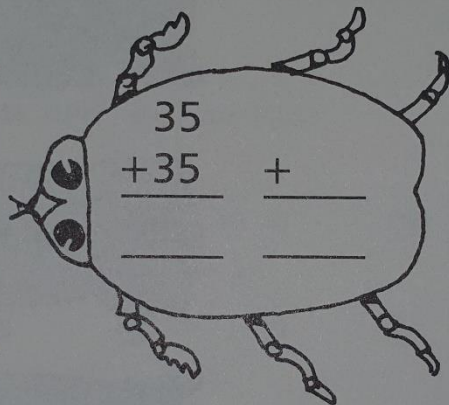
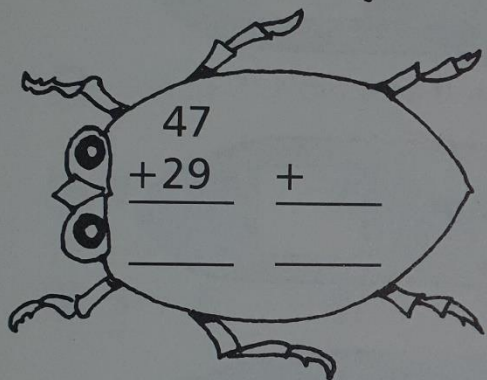
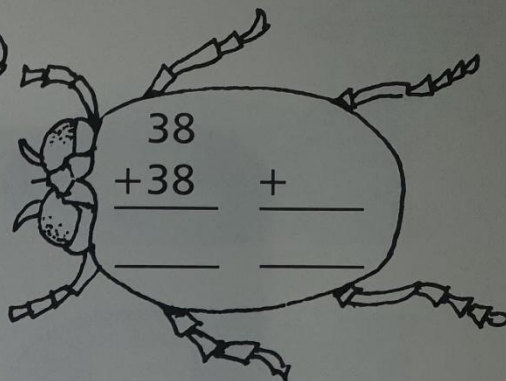
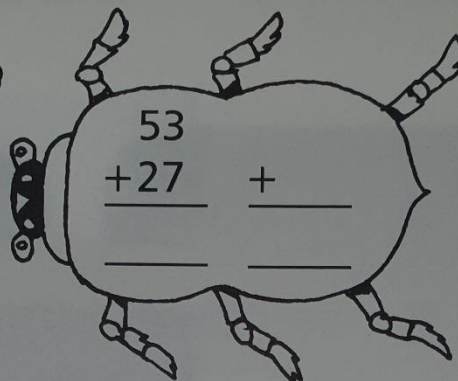
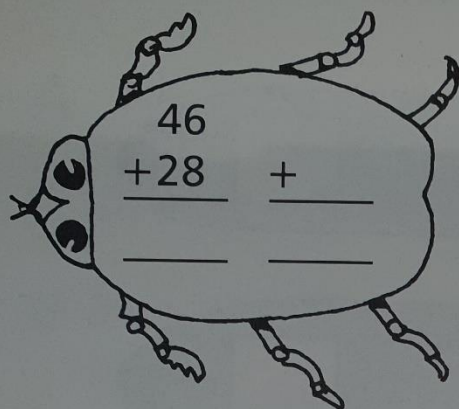
Start with different numbers and keep pressing **=**

Write the number patterns.

Name _____

Beetling around

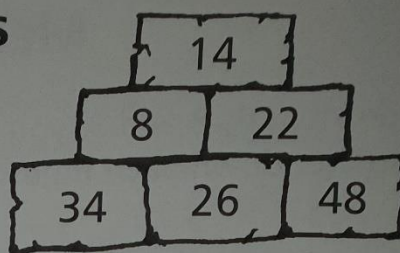
Answer each sum, then write a different sum which has the same answer.



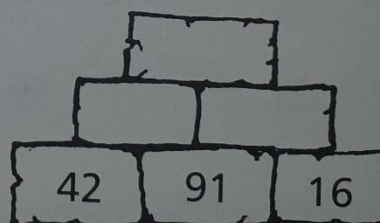
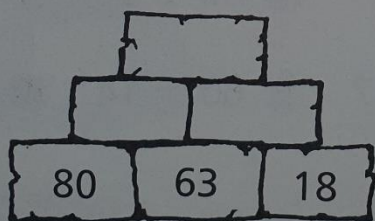
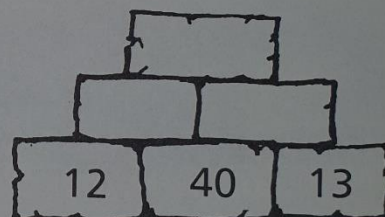
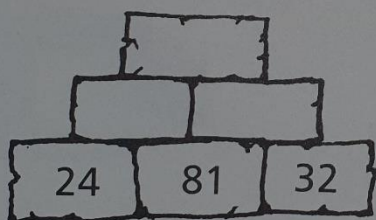
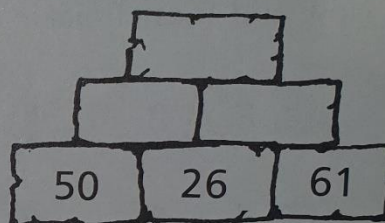
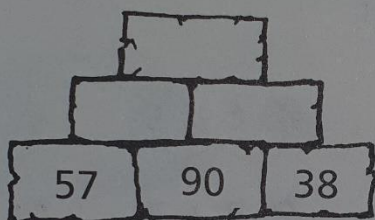
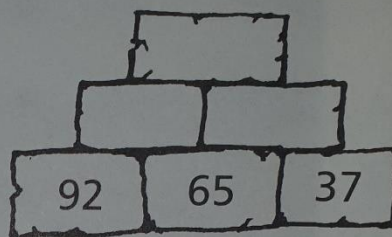
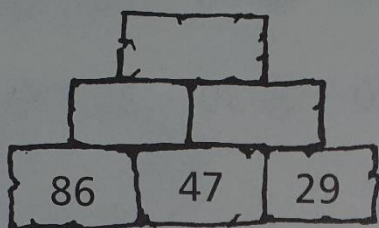
Name _____

Brick walls

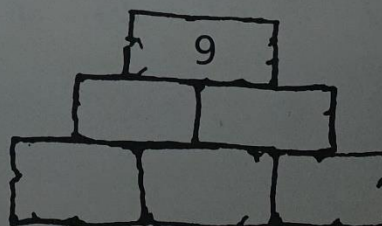
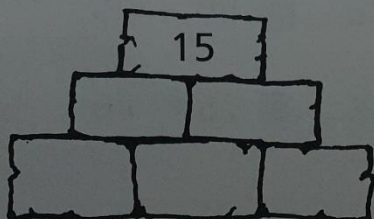
Subtract the numbers in adjacent bricks to find the number above.
Find the number at the top of each wall.



A Complete each of these number walls.



B Write your own numbers on these walls. Follow the rules as before.

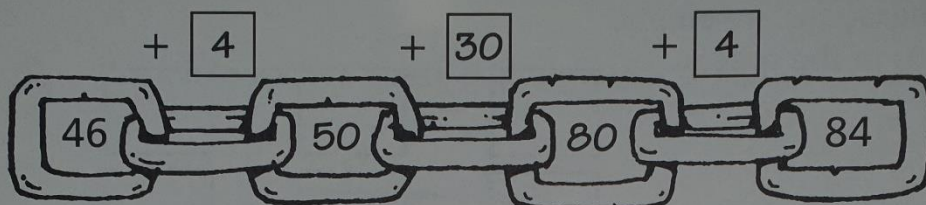


Name _____

Chained up

You can subtract one number from another by counting on from the smaller number to the larger.

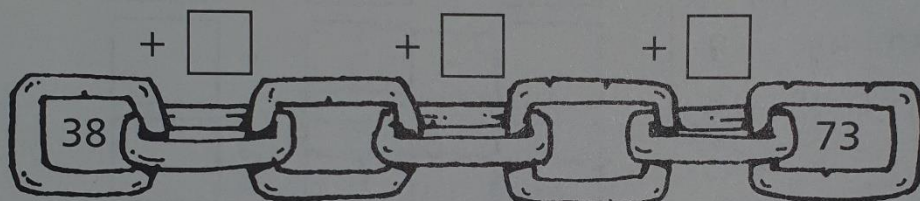
$$84 - 46$$



The answer is 38

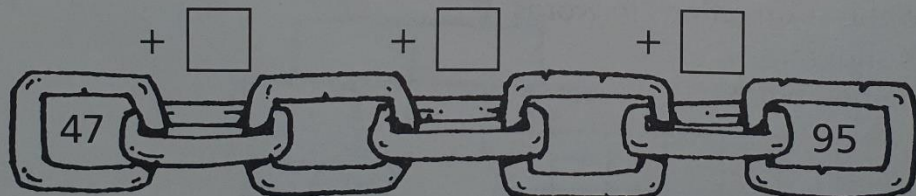
Do these subtractions by counting on. Finish the chains.

$$73 - 38$$



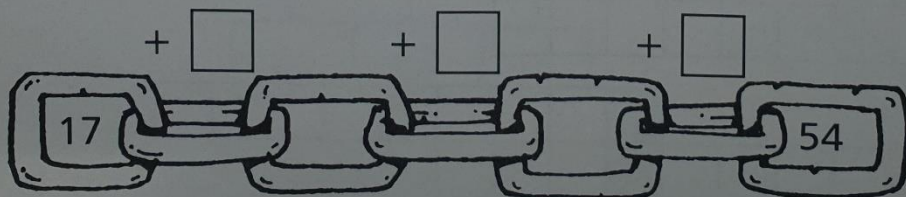
The answer is

$$95 - 47$$



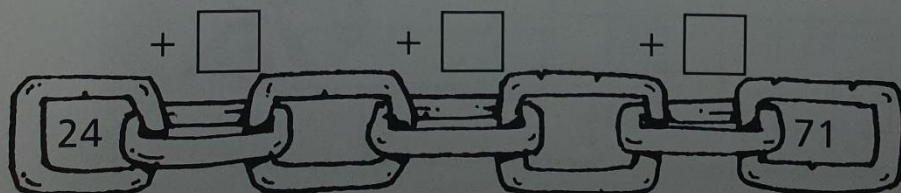
The answer is

$$54 - 17$$



The answer is

$$71 - 24$$



The answer is

Name _____

Subtraction challenges



- A** The challenge is to find ways of answering these sums on a calculator without touching the 5 key. Write the sums with their answers.

45	86	71	85
-28	-57	-25	-58
_____	_____	_____	_____
_____	_____	_____	_____

- B** Start with the number 100.
Finish with the number 13.
You can only subtract.
Find six more different ways.

$$100 - 40 - 47 = 13$$

$$100 - 32 - 55 = 13$$

- C** Use these digits: 2 4 7 8
Put them in pairs with a subtraction sign between them like this:

$$78 - 24$$

$$74 - 28$$

$$47 - 28$$

Write subtractions that have these answers:

12

21

36

57

63

Brain teaser

How many different answers can you make using other pairs?