

For the final two weeks of the summer term we will be setting you problem solving activities that require you to use a range of your maths skills.

Because the activities may be quite varied, there will be no models on these sheets. However, there will be further explanations on the daily videos. As in previous weeks, the activities will get progressively more challenging.

There will be an answer sheet for these activities.

Today the focus is SUBTRACTION

Starter

Simple or Tricky

Look at the numbers below.

127

43

250

98

142

67

33

199

140

258

349

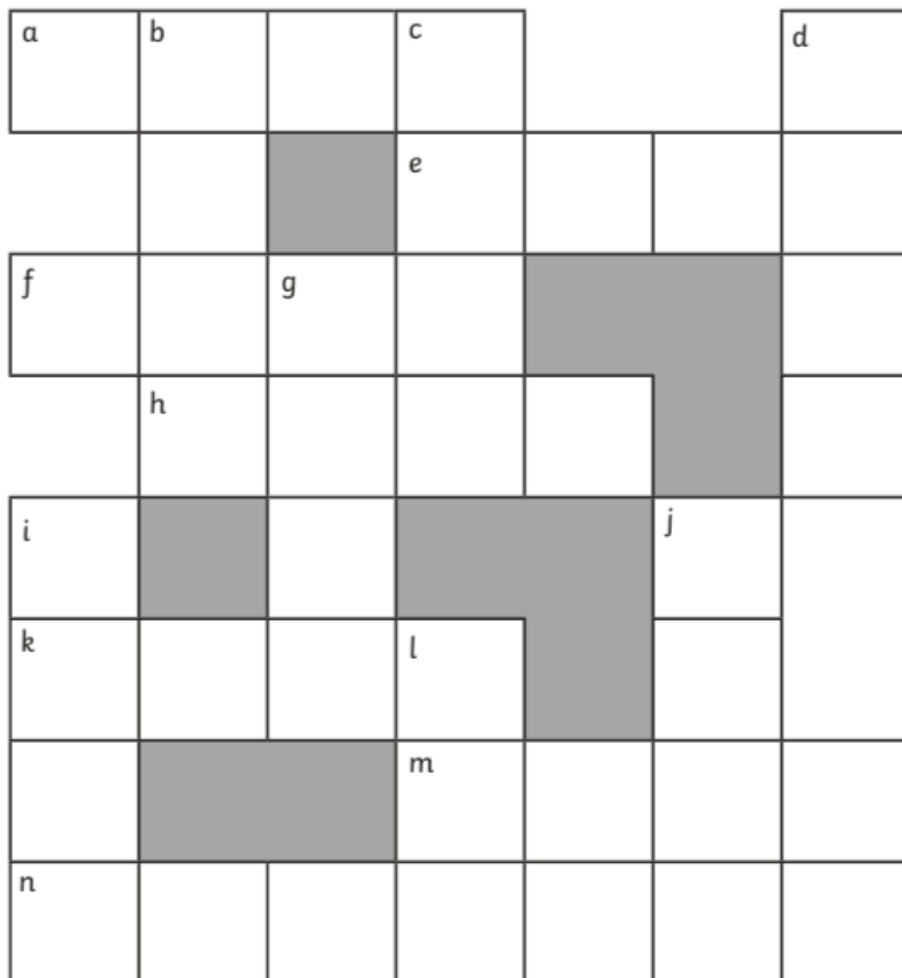
Which pairs of numbers would be easy to add and why?

Which would be tricky to add? How would you make adding them easier?

ACTIVITY 1

MILD

Cross number!



Across

a) $2904 + 1305$

e) Half of 6610

f) $9025 - 2643$

h) $2698 + 4361$

k) $4803 + 4443$

m) $8205 - 2487$

n) $3619 + 1412$

Down

b) $4062 - 1325$

c) $5109 + 4216$

d) $3981 + 2615$

g) $6581 + 1423$

i) $9027 - 1112$

j) $4036 + 1783$

l) $9002 - 8351$

Cross number!
Spicy/ Red Hot

a	b			c		d		e	
f									
				g	h				
	i	j						k	l
m						n			
p									
					q				
r				s					
				t					

Across

- a) $29\ 364 + 26\ 667$
- d) $80\ 126 - 73\ 383$
- f) $72\ 305 - 25\ 053$
- g) $36\ 098 + 9\ 618$
- i) $65\ 801 + 30\ 251$
- k) $46\ 209 - 46\ 174$
- p) $40\ 002 - 34\ 259$
- q) $27\ 891 + 2\ 971$
- r) $65\ 098 + 25\ 153$
- t) $78\ 602 - 40\ 173$

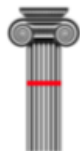
Down

- b) $41\ 243 + 24\ 466$
- c) $85\ 625 - 75\ 380$
- d) $54\ 056 - 47\ 959$
- e) $34\ 283 + 13\ 580$
- h) $34\ 076 + 18\ 607$
- j) $80\ 156 - 15\ 674$
- l) Double 25 012
- m) $59\ 821 + 6\ 172$
- n) $70\ 695 - 2\ 873$
- s) $30\ 007 - 29\ 994$

ACTIVITY 2 **Mild**

Column Subtraction Puzzle

A



What can you find in the middle of Derby that you cannot find at all in Sheffield or Nottingham?

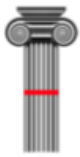


Complete the column subtraction sums to find the answer. The two digits in a shaded area underlined in red give a letter. Where the two digits are not next to each other, the left hand digit is the first digit.

A	B	C	D	E	F	G	H	I	J	K	L	M
19	34	28	76	50	92	87	15	63	40	14	36	29
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
08	72	05	41	57	61	83	98	01	49	27	66	58

$\begin{array}{r} 8924 \\ - 5260 \\ \hline \end{array}$	$\begin{array}{r} 9764 \\ - 2382 \\ \hline \end{array}$	$\begin{array}{r} 9861 \\ - \quad 377 \\ \hline \end{array}$	$\begin{array}{r} 8774 \\ - 5928 \\ \hline \end{array}$
$\begin{array}{r} 8437 \\ - 3328 \\ \hline \end{array}$	$\begin{array}{r} 7467 \\ - 2384 \\ \hline \end{array}$	$\begin{array}{r} 9826 \\ - \quad 572 \\ \hline \end{array}$	$\begin{array}{r} 8348 \\ - 1814 \\ \hline \end{array}$
$\begin{array}{r} 9423 \\ - 2365 \\ \hline \end{array}$	$\begin{array}{r} 8582 \\ - 1218 \\ \hline \end{array}$	$\begin{array}{r} 9218 \\ - \quad 795 \\ \hline \end{array}$	$\begin{array}{r} 6173 \\ - 1358 \\ \hline \end{array}$
$\begin{array}{r} 6431 \\ - 1925 \\ \hline \end{array}$	$\begin{array}{r} 8342 \\ - 4816 \\ \hline \end{array}$	$\begin{array}{r} 9153 \\ - 3923 \\ \hline \end{array}$	$\begin{array}{r} 7301 \\ - 3018 \\ \hline \end{array}$
$\begin{array}{r} 7159 \\ - 5321 \\ \hline \end{array}$	$\begin{array}{r} 8317 \\ - 3777 \\ \hline \end{array}$	$\begin{array}{r} 8000 \\ - 2257 \\ \hline \end{array}$	$\begin{array}{r} 2418 \\ - 461 \\ \hline \end{array}$

ACTIVITY 2 Spicy/ Red Hot



Column Subtraction Puzzle

AA



What can you find in the middle of Derby that you cannot find at all in Sheffield or Nottingham?

Complete the column subtraction sums to find the answer. The two digits in a shaded area underlined in red give a letter. Where the two digits are not next to each other, the left hand digit is the first digit.

A	B	C	D	E	F	G	H	I	J	K	L	M
19	34	28	76	50	92	87	15	63	40	14	36	29
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
08	72	05	41	57	61	83	98	01	49	27	66	58

$$\begin{array}{r} 8123 \\ - 4459 \\ \hline \end{array}$$

$$\begin{array}{r} 9000 \\ - 1418 \\ \hline \end{array}$$

$$\begin{array}{r} 9461 \\ - 277 \\ \hline \end{array}$$

$$\begin{array}{r} 8001 \\ - 5155 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 36 \\ - 5597 \\ \hline 25 \quad \end{array}$$

$$\begin{array}{r} 723 \\ - 2155 \\ \hline 5 \quad 83 \end{array}$$

$$\begin{array}{r} 98 \quad 6 \\ - 5872 \\ \hline 3 \quad 5 \end{array}$$

$$\begin{array}{r} 8 \quad 28 \\ - 2094 \\ \hline 65 \quad \end{array}$$

$$\begin{array}{r} 9127 \\ - 5 \quad 69 \\ \hline 40 \quad \end{array}$$

$$\begin{array}{r} 8682 \\ - \quad 318 \\ \hline 13 \quad \end{array}$$

$$\begin{array}{r} 9064 \\ - 6 \quad 5 \\ \hline \quad 42 \end{array}$$

$$\begin{array}{r} 7073 \\ - 2 \quad 58 \\ \hline 49 \quad \end{array}$$

$$\begin{array}{r} 7 \quad 33 \\ - 19 \quad 5 \\ \hline 562 \end{array}$$

$$\begin{array}{r} 8 \quad 42 \\ - 481 \quad \end{array}$$

$$\begin{array}{r} 81 \quad 3 \\ - 3 \quad 26 \\ \hline 457 \end{array}$$

$$\begin{array}{r} 530 \quad \end{array}$$

$$\begin{array}{r} 7 \quad 5 \\ - 3371 \\ \hline 446 \end{array}$$

$$\begin{array}{r} 800 \quad \end{array}$$

$$\begin{array}{r} 8 \quad 00 \\ - 225 \quad \end{array}$$

$$\begin{array}{r} 6528 \\ - 4 \quad 1 \\ \hline 195 \end{array}$$