

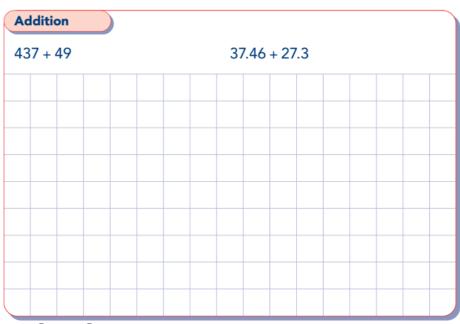
Year 6 - 7

Mathematics Transition Booklet

The Mathematics Department wanted to send you a big hello and say how excited they are that you are joining us in September!

To give you a flying start to your new adventure with us, we thought you might like some challenges to have a go at before you arrive. You can either print this booklet out or if this is not possible, just complete the tasks on a piece of paper. Please hand this in to your Mathematics teacher in September so you can receive some reward points. We will mark your work, review your answers and this will help us see what support you need when you join us – so, just have a go, you do not need to complete all the questions if some questions prove too difficult. Have a great summer and see you again in Year 7!

Name:



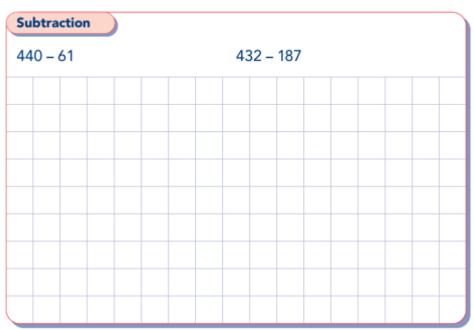
A 2+6	B 12 + 24	C 91 + 81	D 74 + 28
E 98 + 55	F + 33 = 97	G 179 + 361	H 894 + 317
I 520 + ===================================	J 3.1 + 5.2	K 3.5 + <u></u> = 4.8	L 12.45 + 7.46
M 35 + 45.67	N 5.1 + 7.12 + 15.8	O 26.74 + 58.3	P 63.8 + 23.71 + 5

1. If the Eiffel Tower is 298m tall and the London Shard is 309m. What is their combined height?

2. James has £467 in the bank. He pays what is left of his birthday money in to his account. If he pays in his £45.57, how much does he have in total in his account?

3. Ryan goes shopping. In the first shop he spends £66.73, in the second £25, the third £156 and £14.56 in the last shop. How much money does he spend total?

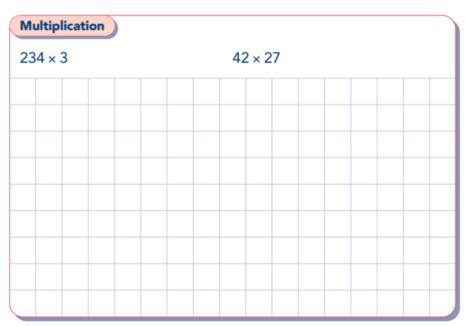
+ 238	+ 238
1487	526
3867	
+ 5	+ 438
2.3	21.6
2.8	<u>65.4</u>



A 8-3	B 36 - 24	C 47 - 18	D 74 - 56
E 100 - 58	F 33 = 45	G 798 - 268	H 1012 - 389
844= 541	J 8.7 - 6.5	K 3.5 - = 1.2	L 3.6 = 9.7
M 74.63 – 17.21	N 6–2.4	O 78.54 – 13.6	P 586 – 85.31

- 1. The London Eye is 117m tall and BT Tower is 190m tall. How much taller is the BT Tower than the London Eye?
- 2. If the distance from Cardiff to London is 172miles and Amy has driven 87 miles. How many miles are left for Amy to drive before she reaches London?
- 3. Alex is checking the addition of two numbers. The ANSWER is 843, and one of the numbers is 591, what is the other number in the sum?

6783-	567 –
47	<u>138</u>
2383	<u>431</u>
	0500
83.69 –	8532-
782.7	23.1
54.2	830.1



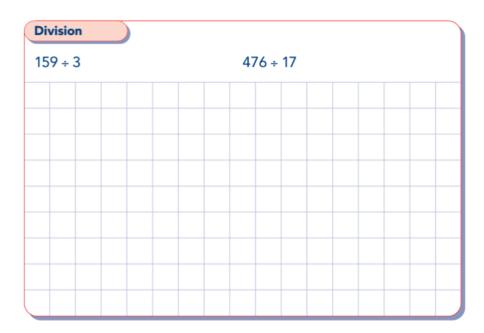
A 8x7	B 12 x 10	C 11 x 12	D 134 x 2
E x 4 = 56	F 361 x 5	G 426 x 4	H 243 x = 486
l 672 x 7	J 2456 x 5	K 24 x 12	L 68 x 47
M 384 x 67	N 34.5 x 3	O 57.24 x 3	P 465.78 x 8

1. How many days in 17 weeks?

2. If eggs are packed in boxes of 6. How many eggs altogether in 248 boxes?

3. Dylan gets paid £5.75 every evening to do a paper round. How much does he earn if he competes the round every evening in May?

45x	85.35 x
3	6
1215	51210
38.4x	352x
6	4
23.04	1409



A 8÷2	B 35 ÷ □ = 5	C 36÷9	D : 7 = 8
E 72÷3	F : 8 = 13	G 130 ÷ 10	H 168÷7
52 ÷ = 4	J 258 ÷ 8	K 121÷ = 11	L 1655 ÷ 5
M 2392 ÷4	N 12.45 ÷ 5	O 145.18÷2	P 6205.35 ÷ 3

1. James, Simon and Angela win £771 between them in a draw. How much money do they each get?

- 2. 3,600 football supporters want to go to an away game together. A coach holds 50 passengers. How many coaches would they need to all go to the game?
- 3. Fin buys sherbet straws from the newsagents. They cost 4p each and he spends £1.12. How many straws has he bought?

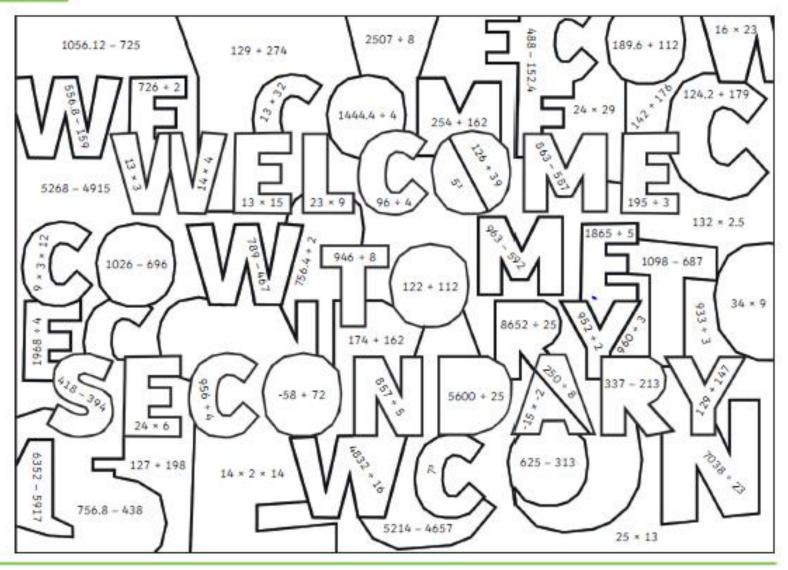
201	1095
3 623	5 547.5
31	14
3 903	9 135

Colour by Number

Instructions

Calculate each answer then use the key to shade each section in the correct colour.

Red	0-100
Yellow	101-200
Orange	201-300
Blue	301 or more





Instructions

Use the key to calculate the value of each word, in pounds. The first question has been completed for you.

Α	В	С	D	Ε	F	G	H	I	J	K	L	М	Ν	0	Р	Q	R	S	Т	U	V	W	Х	У	Z
50p	£1.03	£0.62	£0.15	10p	72p	22p	£0.15	£0.08	£1.21	£2.50	£1.08	42p	£0.78	£0.05	£1.65	£3.00	45p	68p	£0.18	95p	£0.27	£1.11	£1.85	£2.05	£2.88

1 NUMBER	£0.78 + 95p + 42p + £1.03 + 10p + 45p = £3.73
2 A L G E B R A	
PROBABILITY	
STATISTICS	
GEOMETRY	
ATIO	
M E A S U R E	
O P E R A T I O N	
ADDITION	
10 SUBTRACTION	
MULTIPLICATION	
12 DIVISION	

💶 S U M	
🔨 TOTAL	
15 PRODUCT	
10 CALCULATOR	

Extension

- Does the longest word have the longest value?
- Does the shortest word have the smallest value?
- Create a mathematical word which has a bigger value than any words in the list.

Times Table and Division Challenge

Complete each question without a calculator.

4 × 5	108 ÷ 9	2 × 13	65 ÷ 5
9 × 8	72 ÷ 6	3 × 12	2 ÷ 2
7 × 2	35 ÷ 5	11 × 7	8 ÷ 4
12 × 11	40 ÷ 8	6 × 12	25 ÷ 5
10 × 9	28 ÷ 4	8 × 5	56 ÷ 8
13 × 3	66 ÷ 11	5 × 12	77 ÷ 11
2 × 12	144 ÷ 12	15 × 2	117 ÷ 9
4 × 6	36 ÷ 2	3 × 20	132 ÷ 12
7 × 8	45 ÷ 5	2 × 18	169 × 13
2 × 11	00 ÷ 0	3 × 4	156 ÷ 12
9 × 7	120 ÷ 10	4 × 4	35 ÷ 7
11 × 9	84 ÷ 6	0 × 5	42 ÷ 6
8 × 4	96 ÷ 8	2 × 6	54 ÷ 9
12 × 9	48 ÷ 6	3 × 9	63 ÷ 7
5 × 6	49 ÷ 7	7 × 12	48 ÷ 4
7 × 4	21 ÷ 3	13 × 11	30 ÷ 5
3 × 8	16 ÷ 2	10 × 9	40 ÷ 10
9 × 6	12 ÷ 4	15 × 10	88 ÷ 8
8 × 1	15 ÷ 5	13 × 4	130 ÷ 10
0 × 7	60 ÷ 12	2 × 14	121 ÷ 11

Addition and Subtraction Challenge

Complete each question without a calculator.

45 + 101	67 - 34
23 + 27	98 - 55
68 + 43	104 - 8
112 + 45	256 - 8
145 + 62	567 - 31
132 + 98	312 - 4
43 + 56	687 - 56
98 + 35	981 - 60
114 + 232	604 - 23
101 + 98	345 - 26
85 + 67	938 - 41
42 + 55	656 - 43
109 + 156	298 - 13
246 + 398	385 - 21
312 + 497	1085 - 6
458 + 984	2567 - 6
1092 + 48	9875 - 5
456 + 86	2050 - 4
549 + 290	114 - 8
236 + 641	262 - 13
1032 + 1067	562 - 22

67 - 34		
98 - 55		
104 - 89		
256 - 87		
67 - 314		
312 - 49		
687 - 563		
81 - 607		
604 - 239		
345 - 268		
38 - 412		
56 - 437		
298 - 131		
85 - 215		
085 - 617		
567 - 678		
875 - 567		
050 - 498		
114 - 89		
62 - 119		
62 - 229		

1088 + 478	
2056 + 789	
295 + 498	
312 + 714	
896 + 747	
409 + 6802	
608 + 7897	
2145 + 421	
3987 + 318	
803 + 746	
1043 + 157	
952 + 986	
475 + 9042	
1037 + 2498	
5682 + 492	
632 + 1084	
783 + 209	
6013 + 549	
619 + 8014	
378 + 504	
409 + 656	

4506 - 216	
9997 - 658	
2054 - 417	
1081 - 804	
670 - 487	
248 - 119	
902 - 675	
9783 - 406	
8962 - 434	
786 - 387	
962 - 908	
4894 - 1394	
561 - 416	
896 - 516	
7845 - 2478	
2398 - 1304	
9987 - 4377	
9832 - 984	
736 - 698	
295 - 117	
8978 - 3659	