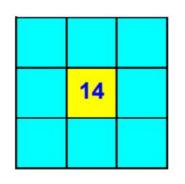


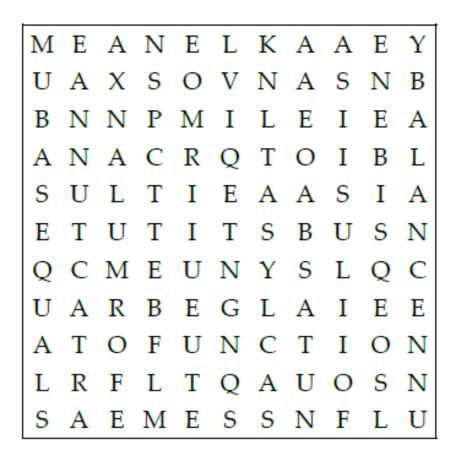
# Year 6 to Year 7 Summer Maths PACK





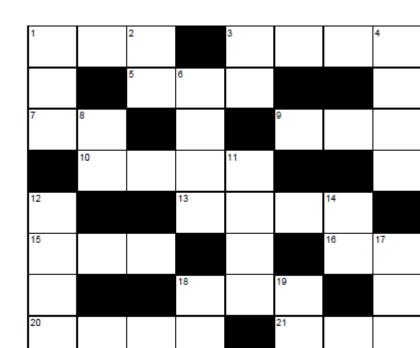
Can you put the numbers 1 to 8 in each of the squares so that each side adds up to the middle number?

### Activity 2



ALGEBRA BALANCE EQUALS EQUATION EXPRESSION

FORMULA FUNCTION SOLVE SUBSTITUTE



#### Enter the answers to the sums below into the matching squares on the numbered grid

1:       983 - 509       1:       1342 - 896         3:       1134 + 1209       2:       344 divided by 8         5:       1428 divided by 4       3:       Three-quarters of 36         7:       20% of 335       4:       1765 + 1532         9:       53 x 3       6:       1847 x 3         10:       1721 x 2       8:       2nd prime number after 70         13:       4935 - 3112       11:       5678 divided by 2         15:       One third of 759       12:       Seven-eighths of 2552		Clues Across		Clues Down	
16:         522 divided by 9         14:         7 x 5           18:         25% of 1180         17:         80% of 1040           20:         1133 + 2542         18:         5 squared           21:         66 x 12         19:         Half of 114	3: 5: 7: 9: 10: 13: 15: 16: 18: 20:	983 - 509 1134 + 1209 1428 divided by 4 20% of 335 53 x 3 1721 x 2 4935 - 3112 One third of 759 522 divided by 9 25% of 1180 1133 + 2542	2: 3: 4: 6: 8: 11: 12: 14: 17: 18:	1342 - 896 344 divided by 8 Three-quarters of 36 1765 + 1532 1847 x 3 2nd prime number after 70 5678 divided by 2 Seven-eighths of 2552 7 x 5 80% of 1040 5 squared	

Name:

Activity 3

×	9	10	9	1	3	3	3	2	5	8
8										
7										
8										
1										
2										
7										
3										
7										
7										
10										

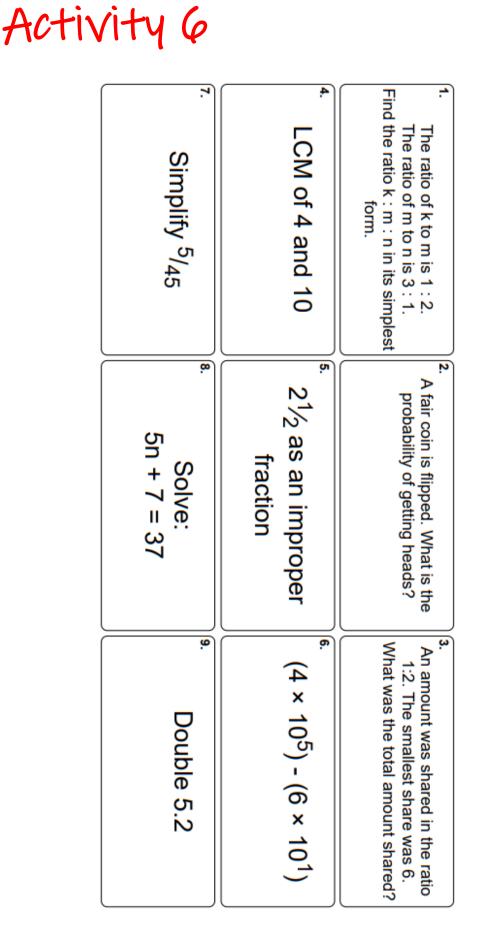
### Activity 5

×	8	2	7	9
			35	
3		6		
4				36
6				

×

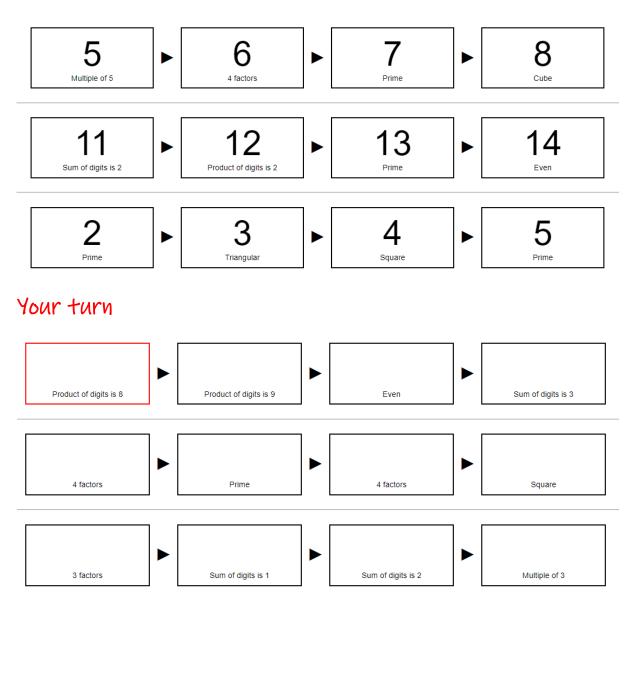
		8		
		16	24	72
		14	21	63
×	7		8	3
×	7 63		8 72	3 27
×		30		
×		30		27
× 2		30		27

×



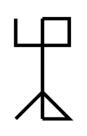
Consecutive Numbers game.

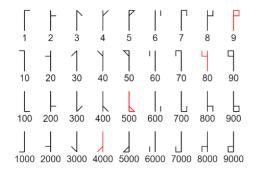
Consecutive numbers are numbers that follow one another in order. For this challenge you must find consecutive numbers that satisfy the requirements for each box. An example is done for you



Cistercian Numerals: Can you find the number Example has been for you

4589

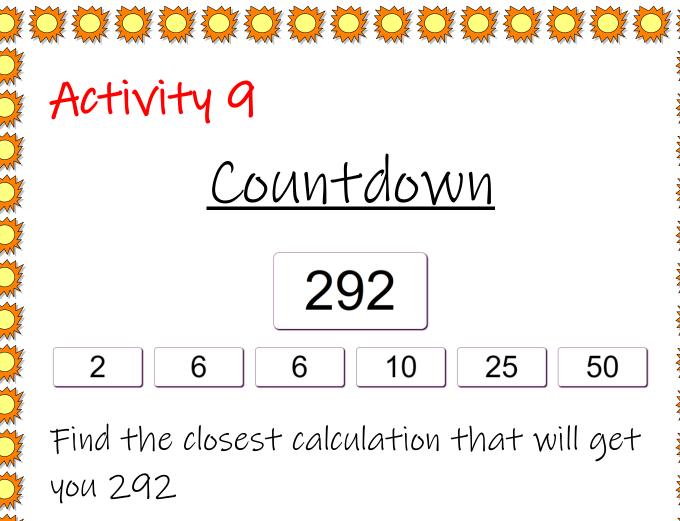




Your turn

Find the number:

Can you guess how the number 4547 would look?



#### Description Rule Angles in a triangle ... Angles in a quadrilateral... Angles on a straight line... Angles around a point ... Vertically opposite angles... Alternate angles... Corresponding angles...

Co-interior angles...

Write the number 1804 in words.	
A carton of milk costs 57p	Find the cost of three cartons of milk.
120° У	Find y
Sketch the net of a cube	
Calculate 50% of £3	Calculate 10% of £7

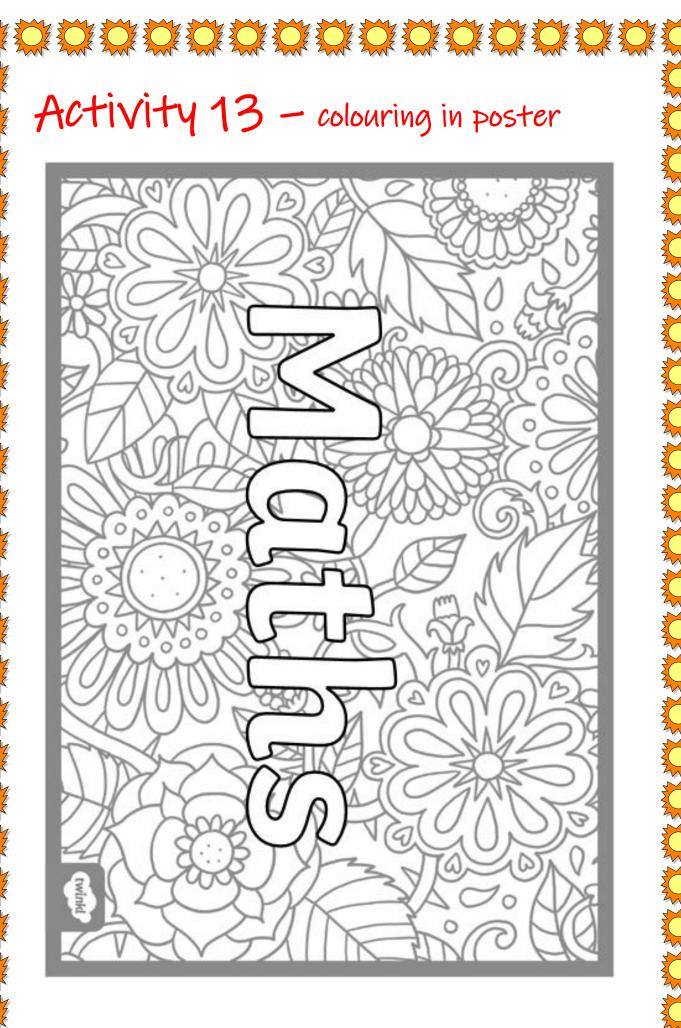
<u> </u>																	
S	Ν	Ε	D	С	E	F	L	Ν	Х	С	L	Q	E	С	Ν	Ν	0
R	Y	D	G	U	0	0	S	Ε	Т	Α	Ν	Ι	D	R	0	0	С
Ε	Р	Т	E	В	G	R	G	С	Ε	L	Ν	R	Х	S	Ι	Ι	Ε
D	В	А	F	0	С	М	R	Ν	Ε	С	F	G	E	Н	L	Т	Ι
Ν	Ι	D	0	Ι	Ε	U	Ι	Έ	Ε	U	Н	S	L	Ν	L	Α	G
Ι	S	G	F	D	F	L	B	R	L	L	S	Α	P	Ε	Ι	U	0
L	Ε	Q	U	Ι	L	Α	Т	Έ	R	Α	L	Ε	L	0	В	Q	E
Y	С	Ν	E	U	Q	Ε	R	F	P	Т	Т	I	0	F	Ι	Ε	Ν
С	Т	S	Α	Ν	М	Q	D	Μ	S	0	Т	Ι	G	S	Ι	Μ	D
Α	0	Ε	Ν	Ι	0	Ε	0	U	С	R	Т	0	0	S	R	Ι	L
F	R	Ι	Т	L	С	С	S	С	Ε	0	Р	М	0	Ν	Α	Ε	G
R	Α	Ν	0	Ι	S	S	E	R	Р	х	Ε	S	G	М	Ι	R	V
Α	Ε	С	Μ	С	Κ	М	E	I	Ι	Т	С	G	E	Ε	Α	L	L
С	С	Α	Т	Η	S	Ε	Ι	С	R	Ε	R	Т	Α	D	Α	Т	L
Т	L	Т	V	0	E	S	P	I	L	L	E	С	Ι	R	С	L	Ε
Ι	Ν	С	Н	R	R	Ε	С	Ε	Y	R	Т	Ε	Μ	0	Ε	G	Ε
0	Α	Ε	S	D	D	Α	S	D	Η	U	Ν	D	R	E	D	V	С
Ν	0	G	Α	Х	E	Η	F	0	0	Т	Ι	U	E	L	0	Ι	Α

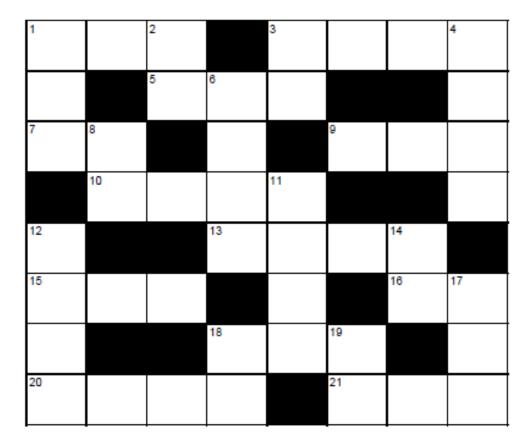
ANGLE AVERAGE BILLION BISECTOR CALCULATOR CENTIMETRE CHORD CIRCLE CIRCUMFERENCE COMPASSES CONE

COORDINATES CORRELATION CUBE CUBOID CYLINDER DECIMAL DIAMETER ELLIPSE EQUATION EQUILATERAL EXPRESSION

FACTOR FIFTY FOOT FORMULA FRACTION FREQUENCY GEOMETRY GOOGOL GOOGOLPLEX GRADIENT HALF

HEXAGON HUNDRED **INCH** INTERCEPT ISOMETRIC **ISOSCELES** KITE LINE LITRE





#### Enter the answers to the sums below into the matching squares on the numbered grid

	Clues Across		Clues Down
1:	50% of 982	1:	Half of 878
3:	2518 + 2135	2:	Square root of 144
5:	79 x 3	3:	376 divided by 8
7:	Three-quarters of 128	4:	7543 - 3915
9:	513 + 429	6:	737 x 5
10:	153 x 11	8:	First prime number after 60
13:	2668 + 3174	11:	7677 - 3789
15:	2022 divided by 3	12:	7346 divided by 2
16:	179 - 114	14:	156 divided by 6
18:	75% of 912	17:	Four-fifths of 730
20:	1739 + 2245	18:	8 squared
21:	Two-thirds of 846	19:	90% of 50

#### Long Multiplication Practice -3 Digits × 2 Digits

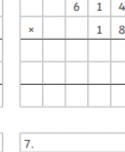
3.

1.			
	1	6	1
×		2	3

5.			
	7	4	0
×		9	6

2.			
	2	3	2
×		2	6

6.			
	3	6	2
×		5	8



3

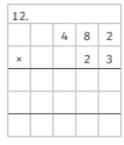
	4.			
÷		9	6	9
3	×		9	5

8.			
	3	7	0
×		6	4

9.			
	5	8	4
×		1	5

10.			
	8	5	1
×		8	9

11.			
	7	4	9
×		9	8



13.			
	6	4	6
×		1	0

14.			
	7	0	9
×		1	7

15.			
	9	1	4
×		5	7

16.			
	7	1	8
×		4	5

### **Short Division Practice 4 Digits** Divided By 1 Digit

Divide the numbers up to four digits by a one-digit number using the formal written method of short division. Some of the answers will have a remainder.

3

1.			_	_	_	-
2	2	9	5	2		
				_		

2.

6.

46808

9 1 3 3 2

5.	_	_	-		-
8	_	0	_	6	
	-			-	-
	_	_			

		1			
4	7	6	4	3	
-		-			-
1		-	-		

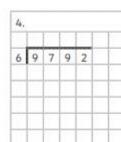
10	).	_	-	-	_
7	6	9	2	1	
_	_	-			_



11.

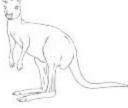
94532

4 9 6 7 2



8.		-		_	-
	3	4	6	2	-
			-	-	-





13	3.				14.	
7	3	4	3	6	9	
			_			
-		-	-			

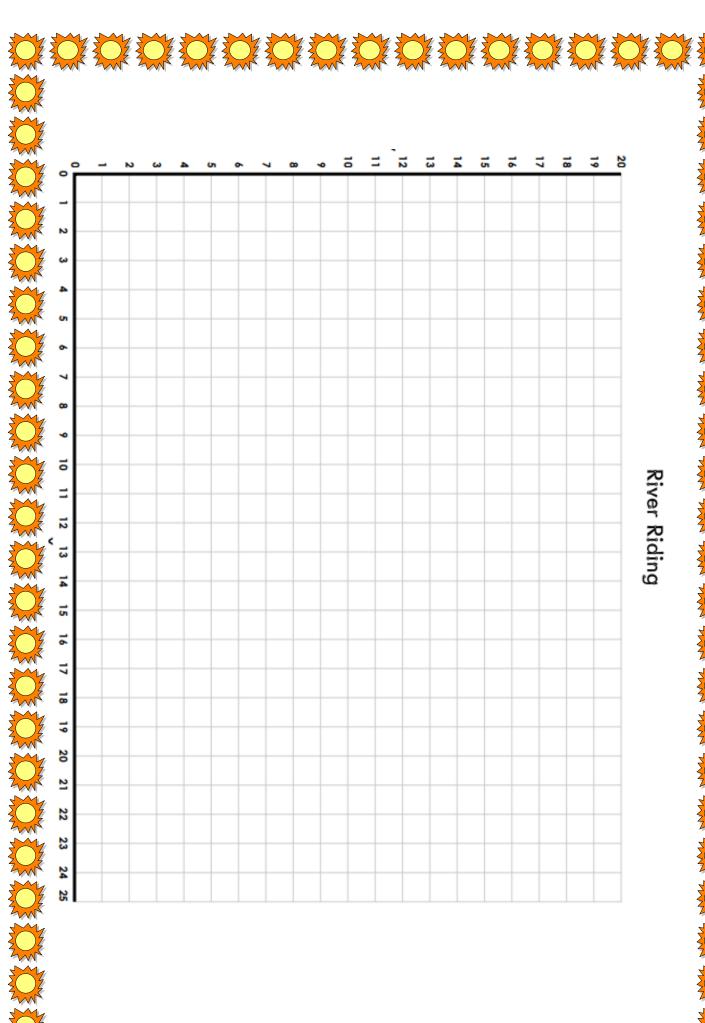
14					-
9	6	4	3	7	
	_		_		-

Activity 17 - Complete on next p.g.

#### **River Riding**

NOTE: In each section, do NOT connect the last point back to first point.

(X, Y)	( <b>X</b> , <b>Y</b> )	( <b>X</b> , <b>Y</b> )	(X, Y)
$ \begin{array}{c ccc}  & (0, 1) \\  & (2, 3) \\  & (4, 3) \\  & (3, 2) \\  & (4, 1) \\ \end{array} $	(4, 17) (5, 16) (6, 17)	(3, 18) (2, 17) (1, 18) (500)	(9, 5) (9, 19) (17, 6) (9, 6) (9, 6)
(24, 17) (24, 18) (23, 19)	(8, 5) (9, 19) (500) (20, 1)	(14, 5) (14, 6)	(2, 16) (3, 15) (4, 16)
(22, 19) (21, 18) (21, 17) (22, 16) (23, 16) (24, 17) (24, 17)	(20, 1) (22, 3) (24, 3) (23, 2) (24, 1) (25, 2) (25, 2)	$ \begin{array}{c c} (12, 1) \\ (11, 2) \\ (12, 3) \\ (10, 3) \\ (8, 1) \\ (7, 2) \\ (8, 3) \\ (6, 3) \\ \end{array} $	(20, 1) (19, 2) (20, 3) (18, 3) (16, 1) (stop)
□ (14, 11) □ (14, 18) □ (21, 6) □ (17, 6)	(7, 3) (3, 5) (23, 5) (22, 3) (STOP)	(4, 1)	Now color your picture
(12, 1) (14, 3) (16, 3) (15, 2) (16, 1) (stop)			
	u 🚧 🚧 🊧 🕹	<b>*</b> ** **	



## Here are some maths jokes to keep you entertained over the Summer

What's a math teacher's favourite kind of tree?

Geometry.

Parallel lines have so much in common

... It's a shame they'll never meet.

I had an argument with a 90° angle.

It turns out it was right.

Did you hear about the over-educated circle?

It has 360°!

What shape is usually waiting for you inside a Starbucks?

A line.

Why doesn't anybody talk to circles?

Because there's no point.

Why was the obtuse triangle always upset?

Because it's never right.

What do geometry teachers have decorating their floor?

Area rugs!



