

# Mathletics

## Holiday Review – Year Five

### Addition and Subtraction:

The answer is 42. What could the missing numbers be? Come up with 5 possibilities:

	H	T	U
-			
		4	2

	H	T	U
-			
		4	2

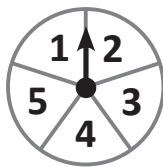
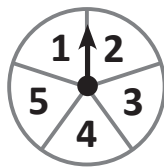
	H	T	U
-			
		4	2

	H	T	U
-			
		4	2

	H	T	U
-			
		4	2

### Chance and Probability:

Use this table to work out all the possible totals for a pair of five-sided spinners. Colour match the totals. Make all the 6s yellow, all the 4s blue and so on.



		Spinner 1				
		1	2	3	4	5
Spinner 2	1	2				6
	2	3				
	3	4		6		
	4	5				
	5	6				10

Look at the table above.

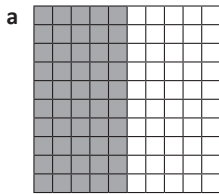
- a Which total is most likely? \_\_\_\_\_
- b What is the likelihood of this total occurring?   
Express your answer as a fraction:
- c Which total is least likely? \_\_\_\_\_
- d Express its likelihood as a fraction.

# Mathletics

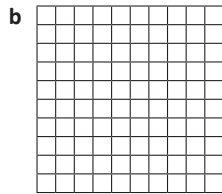
## Holiday Review – Year Five

### Fractions, Decimals, Percentages:

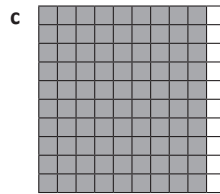
Fill in the missing values and shade the grids:



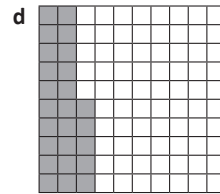
$\frac{50}{100}$	0.	%
------------------	----	---



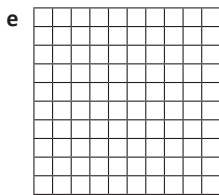
$\frac{30}{100}$	0.3	%
------------------	-----	---



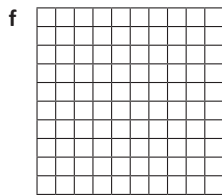
—	0.	90%
---	----	-----



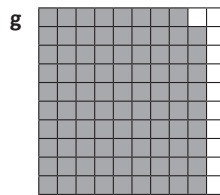
—	0.25	%
---	------	---



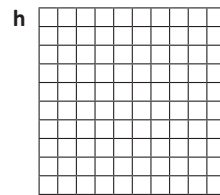
$\frac{45}{100}$	0.	%
------------------	----	---



—	0.75	%
---	------	---



—	0.	89%
---	----	-----



—	0.42	%
---	------	---

Are these statements correct?

a 75% is greater than 0.5

b One quarter is the same as 50%

c 45% is greater than 0.5

d 0.42 is equivalent to 425

e You score 100% on a test. Your friend scores 20/20. You both received the same score.

# Mathletics

## Holiday Review – Year Five

### Multiplication and Division:

#### Crack the code

apply



What to do

Use the code below to work out the hidden message.

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

$A \times A = A$	<b>A is</b> _____	$F = H + L$	<b>F =</b> _____
$M \times M = M + M$	<b>M is</b> _____	$E = F \div 2$	<b>E =</b> _____
$T - M = A$	<b>T is</b> _____	$2 \times L = I$	<b>I =</b> _____
$T + T = H$	<b>H is</b> _____	$(2 \times L) - A = C$	<b>C =</b> _____
$H - M = L$	<b>L is</b> _____	$F + A = N$	<b>N =</b> _____
$3 \times L = U$	<b>U is</b> _____	$3 \times T = S$	<b>S =</b> _____

Once I work out the first couple, the rest come easily!



DISCOVER

#### Puzzles

apply



What to do

Fill in the multiplication and division tables by working out the missing digits. The arrows show you some good starting places.

			7	6
→	×			
		20	16	14
→	5		40	
				36
	3	30		

			8	9	
↓	×				
	12	24			
	3				12
		14			
				54	

×			3	
4				32
		14		
	45		27	
12		24		

×			9	
	6			
11	33	44		
			63	
8				64

# Mathletics

## Holiday Review – Year Five

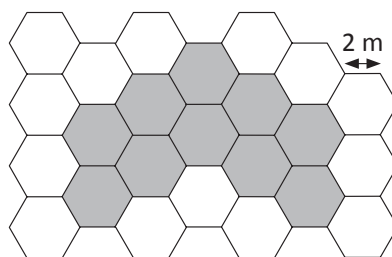
### Length, Perimeter and Area:

Look carefully at this hexagonal grid.  
If the side of each hexagon is 2 m, what  
is the perimeter of the shaded area?

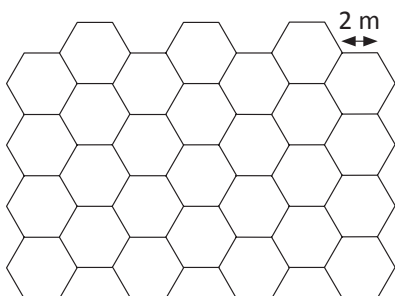
$$P = \text{Number of sides} \times 2$$

$$P = 26 \times 2$$

$$P = 52 \text{ m}$$



a Shade the hexagons to construct a shape  
with a perimeter of 36 m.



b Shade the hexagons to construct a shape  
with a perimeter of 60 m.

