

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

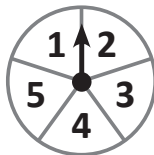
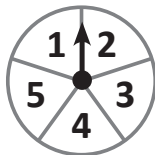
Answers will vary.

	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	3	4	5	6
	2	3	4	5	6	7
	3	4	5	6	7	8
	4	5	6	7	8	9
	5	6	7	8	9	10

Look at the table above.

a Which total is most likely? 6

b What is the likelihood of this total occurring?
Express your answer as a fraction: $\frac{5}{25}$ or $\frac{1}{5}$

c Which total is least likely? 2 or 10

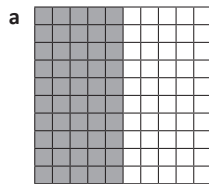
d Express its likelihood as a fraction. $\frac{1}{25}$

Mathletics

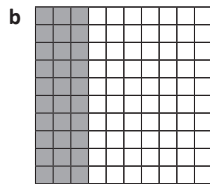
Holiday Review – Year Five

Fractions, Decimals, Percentages:

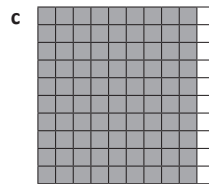
Fill in the missing values and shade the grids:



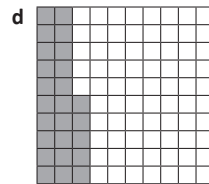
$\frac{50}{100}$	0.5	50%
------------------	-----	-----



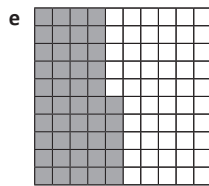
$\frac{30}{100}$	0.3	30%
------------------	-----	-----



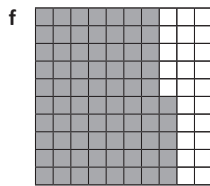
$\frac{90}{100}$	0.9	90%
------------------	-----	-----



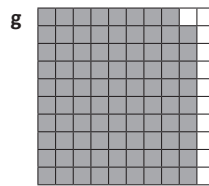
$\frac{25}{100}$	0.25	25%
------------------	------	-----



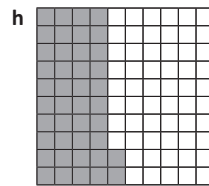
$\frac{45}{100}$	0.45	45%
------------------	------	-----



$\frac{75}{100}$	0.75	75%
------------------	------	-----



$\frac{89}{100}$	0.89	89%
------------------	------	-----



$\frac{42}{100}$	0.42	42%
------------------	------	-----

Are these statements correct?

a 75% is greater than 0.5

True

b One quarter is the same as 50%

False

c 45% is greater than 0.5

False

d 0.42 is equivalent to 425

False

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

True

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.

$\frac{M}{2}$	$\frac{A}{1}$	$\frac{T}{3}$	$\frac{H}{6}$	$\frac{L}{4}$	$\frac{E}{5}$	$\frac{T}{3}$	$\frac{I}{8}$	$\frac{C}{7}$	$\frac{S}{9}$	$\frac{I}{8}$	$\frac{S}{9}$	$\frac{F}{10}$	$\frac{U}{12}$	$\frac{N}{11}$
---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	----------------	----------------	----------------

$A \times A = A$

$A \text{ is } \underline{1}$

$M \times M = M + M$

$M \text{ is } \underline{2}$

$T - M = A$

$T \text{ is } \underline{3}$

$T + T = H$

$H \text{ is } \underline{6}$

$H - M = L$

$L \text{ is } \underline{4}$

$3 \times L = U$

$U \text{ is } \underline{12}$

$F = H + L$

$F = \underline{10}$

$E = F \div 2$

$E = \underline{5}$

$2 \times L = I$

$I = \underline{8}$

$(2 \times L) - A = C$

$C = \underline{7}$

$F + A = N$

$N = \underline{11}$

$3 \times T = S$

$S = \underline{9}$

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.

			↓		
×	10	8	7	6	
→	2	20	16	14	12
	5	50	40	35	30
→	6	60	48	42	36
	3	30	24	21	18

			↓		↓
×	2	8	9	4	
12	24	96	108	48	
3	6	24	27	12	
7	14	56	63	28	
6	12	48	54	24	

×	5	2	3	8
4	20	8	12	32
7	35	14	21	56
9	45	18	27	72
12	60	24	36	96

×	3	4	9	8
2	6	8	18	16
11	33	44	99	88
7	21	28	63	56
8	24	32	72	64

Mathletics

Holiday Review – Year Five

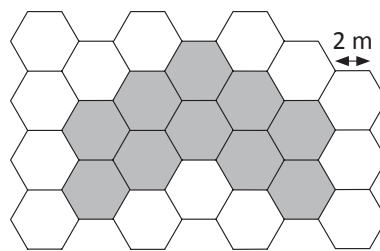
Length, Perimeter and Area:

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

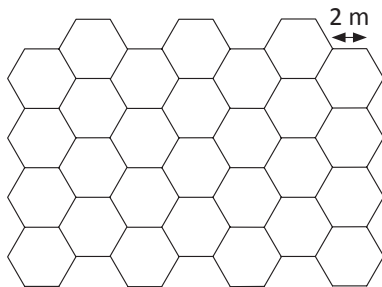
$$P = \text{Number of sides} \times 2$$

$$P = 26 \times 2$$

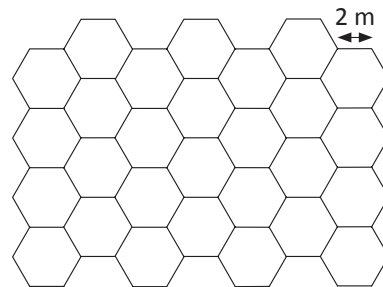
$$P = 52 \text{ m}$$



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.



Teacher check.