

Maths Task 1

Have a look at the questions below. Write down your answers and letters in the spaces below. Answers are included at the bottom.

Bake Sale

$\times 3$, $\times 4$ and $\times 8$ Code Breaker

Pudsey Bear is taking part in a school bake sale to try and raise money for BBC Children in Need. Use the code breaker to decorate Pudsey's sweet treats in the correct colour.

a	b	c	d	e	f	g	h	i	j	k	l	m
3	4	6	8	9	12	15	16	18	20	21	24	27
n	o	p	q	r	s	t	u	v	w	x	y	z
28	30	33	36	40	44	48	56	64	72	80	88	96



	Answer	Letter
$32 \div 8$		
3×8		
7×8		
3×3		



	Answer	Letter
10×4		
$36 \div 4$		
$64 \div 8$		



	Answer	Letter
5×3		
5×8		
$72 \div 8$		
$\div 3 = 3$		
7×4		

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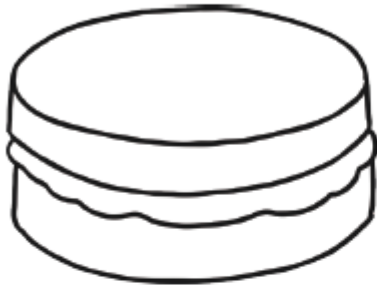
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Bake Sale × 3, × 4 and × 8 Code Breaker

a	b	c	d	e	f	g	h	i	j	k	l	m
3	4	6	8	9	12	15	16	18	20	21	24	27
n	o	p	q	r	s	t	u	v	w	x	y	z
28	30	33	36	40	44	48	56	64	72	80	88	96



	Answer	Letter
$12 \div 3$		
<input type="text"/> $\div 4 = 10$		
10×3		
9×8		
<input type="text"/> $\div 4 = 7$		



	Answer	Letter
<input type="text"/> $\div 8 = 5$		
$9 \div 3$		
<input type="text"/> $\div 3 = 6$		
7×4		
$16 \div 4$		
10×3		
9×8		



	Answer	Letter
11×3		
6×3		
7×4		
7×3		

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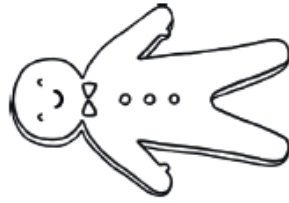
Bake Sale $\times 3$, $\times 4$ and $\times 8$

Code Breaker - Answers

Pudsey Bear is taking part in a school bake sale to try and raise money for BBC Children in Need. Use the code breaker to decorate Pudsey's sweet treats in the correct colour.

a	b	c	d	e	f	g	h	i	j	k	l	m
3	4	6	8	9	12	15	16	18	20	21	24	27

n	o	p	q	r	s	t	u	v	w	x	y	z
28	30	33	36	40	44	48	56	64	72	80	88	96



$32 \div 8$	Answer	Letter
	4	b
3×8	24	l
7×8	56	u
3×3	9	c



10×4	Answer	Letter
	40	r
$36 \div 4$	9	c
$64 \div 8$	8	d

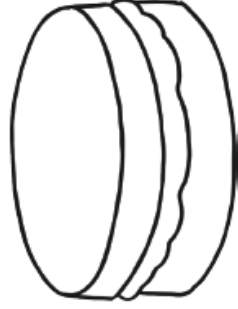


5×3	Answer	Letter
	15	g
5×8	40	r
$72 \div 8$	9	c
$\div 3 = 3$	9	c
7×4	28	n

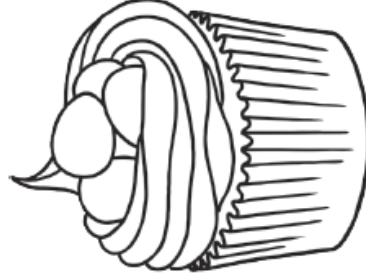
Bake Sale $\times 3$, $\times 4$ and $\times 8$ Code Breaker - Answers

a	b	c	d	e	f	g	h	i	j	k	l	m
3	4	6	8	9	12	15	16	18	20	21	24	27

n	o	p	q	r	s	t	u	v	w	x	y	z
28	30	33	36	40	44	48	56	64	72	80	88	96



$12 \div 3$	Answer	Letter
	4	b
$\square \div 4 = 10$	40	r
10×3	30	o
9×8	72	w
$\square \div 4 = 7$	28	n



$\square \div 8 = 5$	Answer	Letter
	40	r
$9 \div 3$	3	a
$\square \div 3 = 6$	18	i
7×4	28	n
$16 \div 4$	4	b
10×3	30	o
9×8	72	w



11×3	Answer	Letter
	33	p
6×3	18	i
7×4	28	n
7×3	21	k

Maths Task 2

Have a look at these reasoning questions . Write your answers below.



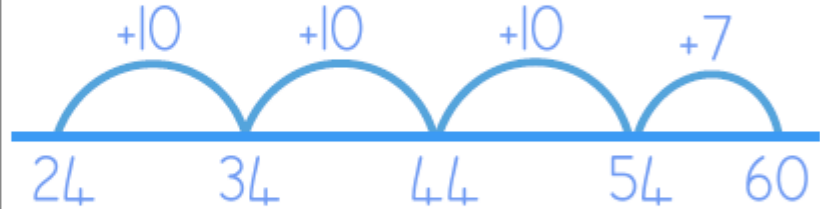
Explain the mistakes

$$24 + 37$$

Mistake 2

$$\begin{array}{r} 1 \\ 24 \\ + 37 \\ \hline 51 \end{array}$$

Mistake 1



Mistake 3

$$24 + 37 = 511$$



Rank by difficulty

137 – 56

163 – 59

187 – 56

Rank by difficulty

139 – 19

50 – 19

101 – 19

Rank by difficulty

3003 – 1996

2000 – 60

2645 – 1082

Topic Task 2

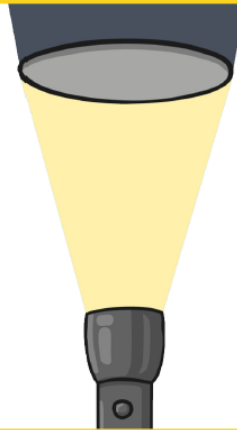
Have a look at the challenge questions below. Write down your responses to the challenges in the space below.

A battery powered torch is an artificial light source, while the Sun is a natural light source.



Can you think of two other natural sources of light?

A shadow is formed when an object blocks light, causing a darker area behind the object.



Are shadows always black?



The Sun can damage our eyes if we look directly at it.

What do you think is the best way to protect your eyes in the sun?

We often look at our reflection in mirrors.

Is the image in a mirror a true reflection of ourselves?

