The Mystery of the Brilliant Breakfast
Answers

Clue 1

If there are more ticks than crosses, the snack is high in fibre.

If there are more crosses than ticks, the snack is low in fibre.

	Right ✓	Wrong ✗
3 + (12 × 6) = 90		✗
35% of 28 = 9.8	✓	
926 × 14 = 12 864		✗
$\frac{3}{4}$ of 140 is 105	✓	
9107 - 5432 = 3635		✗
£29.40 ÷ 5 = £5.83		✗
0.7 × 5 = 3.5	✓	
$\frac{9}{10}$ of 21 = 18.9	✓	
11 × 11 = 250 - 129	✓	
Total	**5**	**4**

Clue 1: **The snack isn't low in fibre.**

Clue 2

How many of these fractions are equivalent to 0.6?

$\frac{3}{5}$	$\frac{24}{40}$	60%	$\frac{1}{5}$ × 4	$\frac{9}{15}$	$\frac{35}{60}$
$\frac{5}{11}$	$\frac{6}{8}$	0.06 × 100	$\frac{2}{12}$	$\frac{50}{100}$	$\frac{45}{75}$
$\frac{30}{50}$	$\frac{55}{100}$	$\frac{42}{70}$	$\frac{12}{20}$	$\frac{1}{5}$ × 3	$\frac{200}{500}$
0.006 × 10	$\frac{21}{33}$	$\frac{30}{40}$	$\frac{1}{10}$ × 6	$\frac{25}{40}$	$\frac{54}{90}$
30%	0.06 × 10	$\frac{120}{200}$	$\frac{12}{30}$	$\frac{48}{80}$	$\frac{18}{30}$
$\frac{36}{60}$	$\frac{16}{30}$	$\frac{15}{25}$	$\frac{30}{60}$	$\frac{50}{90}$	$\frac{18}{3}$

Clue 2: **The breakfast has a serving weight of less than 50g.**

Clue 3

Answer the questions about the bar chart and colour in the boxes with the correct answers.

Use the words to work out the next clue.

9g	5g	8g	7g
a	packaging	breakfast	is
2g	**30g**	**20g**	**40g**
the	bar	box	drink

Clue 3: **The breakfast packaging is a box.**

1. How many grams of sugar are there in a serving of chocolate rice snaps? **8g**

2. How many grams of sugar are there in a serving of cornflakes? **2g**

3. How many more grams of sugar is there in a serving of honey cornflakes than bran flakes? **5g**

4. How many grams of sugar is there in a 60g serving of frosted flakes? **20g**

5. How many fewer grams of sugar is there in a serving of rice snaps than frosted flakes? **7g**

6. How many grams of sugar is there in a 90g serving of rice snaps? **9g**

Clue 4

Sort the numbers into the correct box. Some numbers will belong in more than one box.

The box with the most numbers will give you a clue about the calorie content in a 100g portion of the super snack.

Square Numbers	Cube Numbers	Prime numbers
1, 9, 16, 36, 64	**1, 8, 27, 64**	**2, 3, 11, 17, 43, 59**
Medium amount of sugar	Medium amount of fibre	High amount of fibre

Clue 4: The breakfast has a **high amount of fibre.**

Clue 5

Solve the maths calculations to crack the code and solve the final clue.

a	b	c	d	e	f	g	h	i	j	k	l	m
26	25	24	23	22	21	20	19	18	17	16	15	14

n	o	p	q	r	s	t	u	v	w	x	y	z
13	12	11	10	9	8	7	6	5	4	3	2	1

	Answer	Letter
0.8 × 10	**8**	s
$\frac{1}{12}$ of 72	**6**	u
200 ÷ 10	**20**	g
0.026 × 1000	**26**	a
$\frac{1}{3}$ of 27	**9**	r

	Answer	Letter
$\frac{1}{12}$ of 30	**15**	l
120 ÷ 10	**12**	o
$\frac{1}{5}$ of 20	**4**	w

	Answer	Letter
$\frac{1}{3}$ of 54	**18**	i
8000 ÷ 1000	**8**	s

Clue 5: **The breakfast is low in sugar.**

The brilliant breakfast is: **Porridge Oats**