

The Mystery of the Super Snack- answers

Clue 1

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.

74 a	11 not	55 isn't	13 is
44 the	45 vegetable	10 snack	65 fruit

How many portions of carrots were served? **44**

How many more portions of broccoli were served than cauliflower? **10**

How many fewer portions of cabbage were served than beans? **13**

How many portions of sweetcorn and cabbage were served altogether? **65**

How many portions of carrots and beans were served altogether? **74**

Clue 1: **The snack is a fruit.**

Clue 2

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 ✗
$306 + 59 < 309 + 56$		✗
$96 \times 10 = 960$	✓	
$231 \times 4 = 824$		✗
$\frac{1}{2}$ of 72 is 36	✓	
$618 - 54 = 544$		✗
$£12.40 \div 4 = £4.10$		✗
$7 \times 5 \times 2 = 70$	✓	
$\frac{2}{3}$ of 21 is 14	✓	
$12 \times 8 = 32 \times 3$	✓	
Total	5	4

Clue 2: **The snack is high in fibre.**

Clue 3

How many of these fractions are equal to 0.5?

$\frac{1}{2}$	$\frac{2}{4}$	$\frac{5}{10}$	$\frac{3}{4}$	$\frac{4}{8}$	$\frac{55}{90}$
$\frac{5}{11}$	$\frac{5}{8}$	$\frac{7}{14}$	$\frac{7}{12}$	$\frac{60}{100}$	$\frac{18}{38}$
$\frac{25}{44}$	$\frac{52}{100}$	$\frac{9}{18}$	$\frac{12}{24}$	$\frac{50}{100}$	$\frac{36}{72}$
$\frac{22}{44}$	$\frac{19}{36}$	$\frac{30}{50}$	$\frac{16}{30}$	$\frac{25}{40}$	$\frac{45}{90}$
$\frac{30}{60}$	$\frac{28}{56}$	$\frac{100}{200}$	$\frac{19}{38}$	$\frac{11}{22}$	$\frac{15}{30}$
$\frac{35}{70}$	$\frac{16}{30}$	$\frac{12}{25}$	$\frac{30}{56}$	$\frac{40}{90}$	$\frac{200}{500}$

Clue 3: The snack is not a good source of vitamin C.

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.

Even numbers	Multiples of 5	Factors of 40
4, 8, 10, 20, 40, 80, 100	5, 10, 15, 20, 40, 55, 80, 100	1, 4, 5, 8, 10, 20, 40
Less than 100 calories per 100g	Between 100 to 200 calories per 100g	More than 200 calories per 100g

Clue 4: The snack has between 100 to 200 calories per 100g.

The super snack is: Fabulous Fig Fingers

