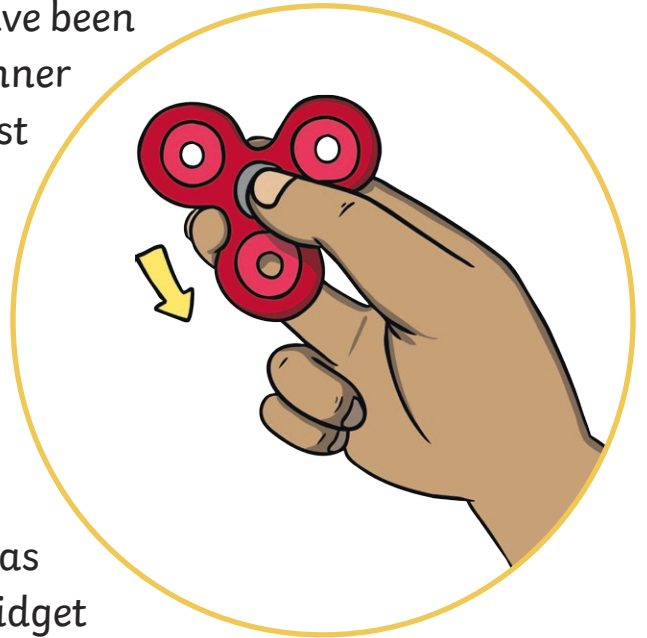


The Mystery of the Muddled-Up Fidget Spinners Maths Game

The children at Maryvale Primary School have been gripped by the new craze of the fidget spinner and they have been allowed to use them just at break times and lunchtimes.

They have to keep them in their bags in the cloakroom, during the day.

However, disaster has struck. Someone has sneaked in and swapped around all of the fidget spinners, putting them in the wrong bags! No one can tell whose is whose!



There have been five clues left. As Chief Inspector, it is your job to use the descriptions of the children who were seen near the cloakroom at lunchtime, solve the clues and uncover who the mystery fidget spinner muddler is!

Please Print at 100%

Name	Male or Female	Year Group	Hair Colour	Type of Pencil Case	Favourite Crisps
Aaron Ahmed	M	4	dark	metal	ready salted
Belinda Bemrose	F	4	light	furry	salt and vinegar
Caitlin Crown	F	5	dark	plastic	BBQ beef
Devinder Dhudwal	F	4	dark	metal	cheese and onion
Eli Eagleman	M	6	dark	metal	salt and vinegar
Frankie Few	M	5	light	furry	BBQ beef
Gil Grinling	M	6	light	furry	cheese and onion
Hanna Hoffman	F	4	light	plastic	cheese and onion
Imran Ibrahim	M	4	dark	plastic	salt and vinegar
Jessica Jones	F	5	dark	plastic	salt and vinegar
Klaudia Kaluza	F	4	light	plastic	BBQ beef
Lan Li	F	4	dark	plastic	ready salted
Matthew Miles	M	5	light	furry	cheese and onion
Nicky Newt	M	5	light	metal	BBQ beef
Osman Omar	M	6	dark	furry	cheese and onion
Poppy Peel	F	4	light	plastic	ready salted
Quentin Queen	M	5	light	metal	salt and vinegar
Rabiya Rahim	F	4	dark	plastic	BBQ beef
Sofia Sobol	F	4	light	plastic	cheese and onion

Clue 1: Odds or Evens

Work out the answers to these number statements. If there are more even answers, the fidget spinner muddler is female, if not, the muddler is male.

$16 + 4 = \square$

$20 - 7 = \square$

$30 + 10 = \square$

$25 - 5 = \square$

$27 - 4 = \square$

$8 + 9 = \square$

$42 + 8 = \square$

$51 - 4 = \square$

$22 + 10 = \square$

$38 - 8 = \square$

$62 + 9 = \square$

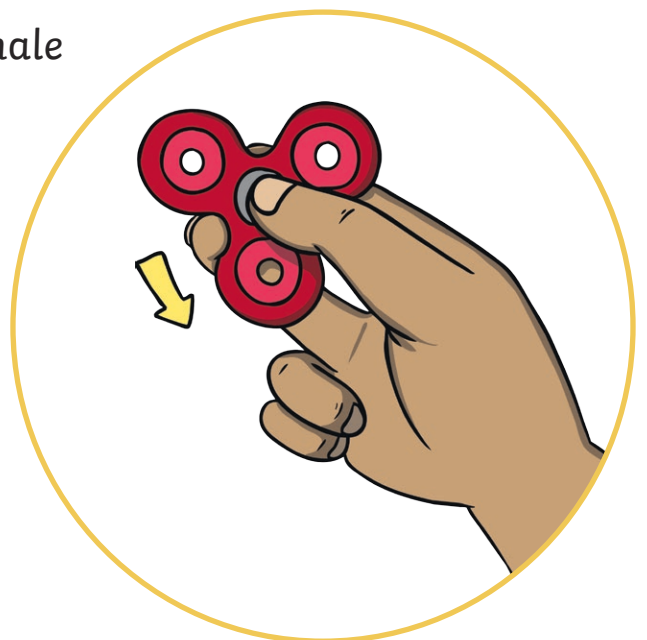
$100 - 32 = \square$

Put a circle around the correct word.

Answer to clue 1:

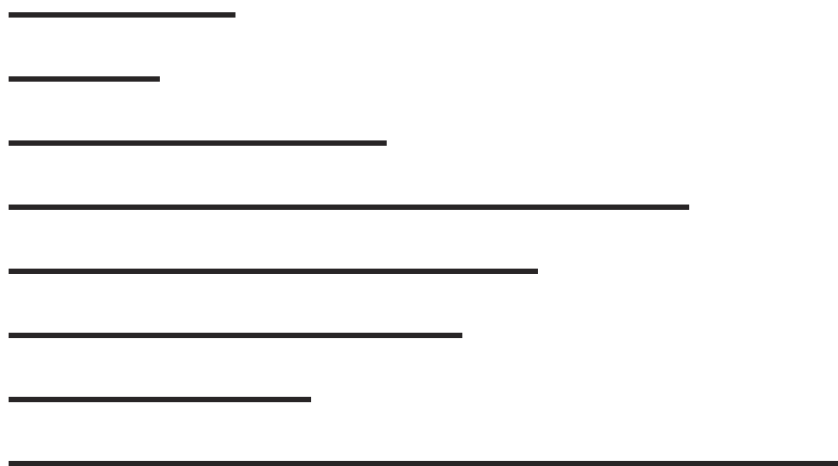
Male

Female



Clue 2: Measure with Care

Measure these lines in centimetres. Find the answers in the box below.
Solve Clue 2.



1cm five.	3cm in	8cm dark	7cm is
6cm fidget	12cm He	2cm The	10cm hair
11cm year	5cm suspect	9cm spinner	4cm four.

Answer to clue 2:

Clue 3: What's the Place Value?

Work out the place value of the underlined digits and match them up with the correct answer. Order the words to solve clue number three.

26

eight
ones

seven
tens
on

49

seven
ones

pencil

two
ones
was

84

the

three
tens

nine
ones

31

floor

zero
ones

case

12

two tens

of

93

A

nine
tens

five tens
plastic.

18

made

four tens
metal.

30

eight
tens

four
ones

six tens
furry

51

found

fidget

one ten
spinner

67

73

Answer to clue 3:

Clue 4: Number Bonds to 20

How many fidget spinners would you add to make 20

$17 + \square = 20$
 $16 + \square = 20$
 $15 + \square = 20$
 $14 + \square = 20$
 $13 + \square = 20$
 $12 + \square = 20$
 $11 + \square = 20$
 $10 + \square = 20$
 $9 + \square = 20$

17	16	11
was	with	found.
20	13	10
crisps.	dark	coloured
12	19	14
light	hair	ready salted.
9	3	18
A	cheese and onion	hairbrush

Answer to clue 4:

Clue 5 : Add Again and Again

Choose the correct addition statement for these multiplication statements.

2×4

5×5

10×2

2×3

10×4

5×7

2×9

$2+2+2+2$ crisp	$5 + 5 + 5 + 5$ salt	$10 + 10$ salted	$10+4$ cheese	$9 + 9$ ready
$9+9+9$ BBQ	$5+5+5+5+5$ A	$4+4+4+4$ vinegar	$7+7+7+7+7$ packet	$2+2+2+2+2$ cheese
$10+10+10+10$ discovered.	$7+7+7+7$ and	$3+3$ was	$2+2+2+2+2+2$ onion	$5+5+5$ beef

Answer to clue 5:

Have you worked out who the fidget spinner muddler is?

It is: _____

Answers

Clue 1: Odds or Evens

$16 + 4 = \mathbf{20}$

$20 - 7 = \mathbf{13}$

$30 + 10 = \mathbf{40}$

$25 - 5 = \mathbf{20}$

$27 - 4 = \mathbf{23}$

$8 + 9 = \mathbf{17}$

$42 + 8 = \mathbf{50}$

$51 - 4 = \mathbf{47}$

$22 + 10 = \mathbf{32}$

$38 - 8 = \mathbf{30}$

$62 + 9 = \mathbf{71}$

$100 - 32 = \mathbf{68}$

7 even, 5 odd

The fidget spinner muddler is female.

Clue 2: Measure with Care

The fidget spinner suspect is in year 4.

Clue 3: What's the Place Value?

A **pencil case** found on the floor was made of **plastic**.

Clue 4: Number Bonds to 20

A hairbrush with **light coloured hair** was found.

Clue 5: Add Again and Again

A **ready salted crisp** packet was discovered.

The fidget spinner muddler is Poppy Peel.