

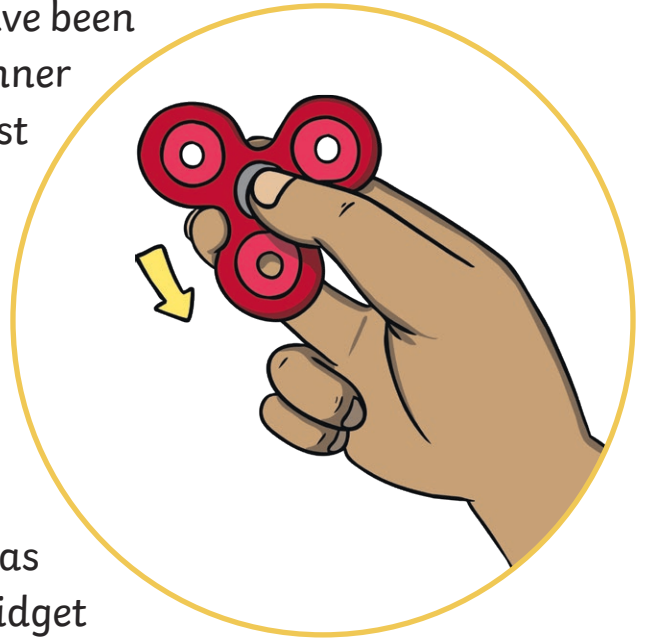
The Mystery of the Muddled-Up Fidget Spinners Maths Game

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, swapped around all of the fidget spinners and put them in the wrong bags!

There are 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 there are more odd answers, the muddler is male.

$16 + 4 = \square$

$20 - 7 = \square$

$30 + 10 = \square$

$25 - 5 = \square$

$27 - 4 = \square$

$8 + 9 = \square$

$42 + 8 = \square$

$51 - 4 = \square$

$22 + 10 = \square$

$38 - 8 = \square$

$62 + 9 = \square$

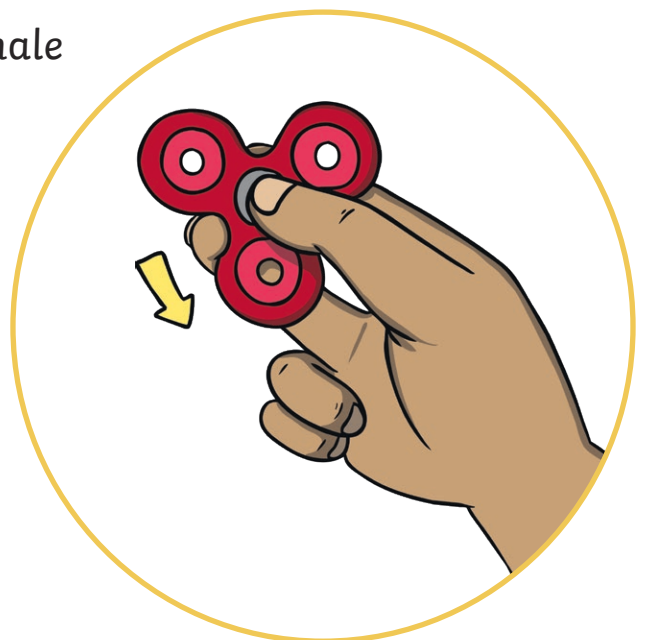
$100 - 32 = \square$

Put a circle around the correct word.

Answer to clue 1:

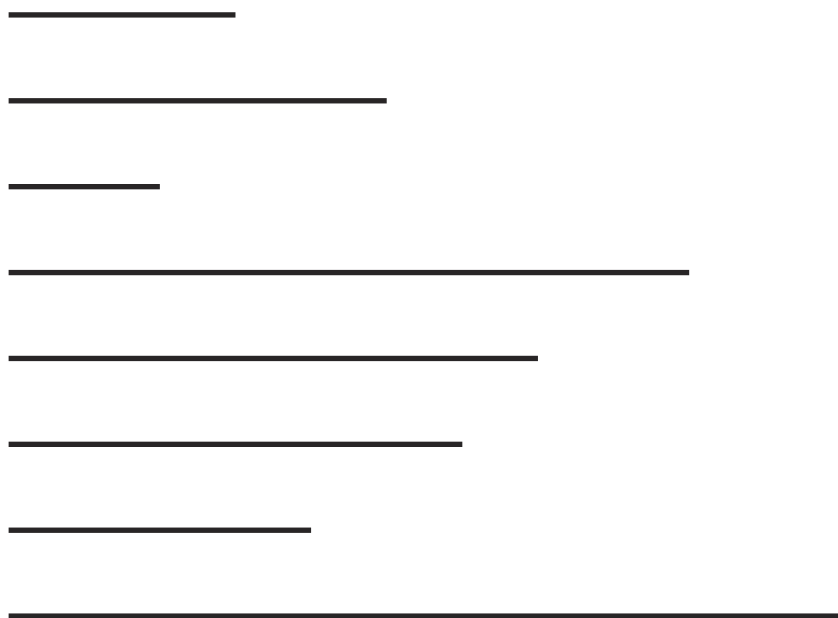
Male

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

A

of

93

nine
tens

five tens
plastic.

four tens
metal.

18

made

eight
tens

30

found

four
ones

six tens
furry

one ten
spinner

51

67

73

Answer to clue 3:

Clue 4: Number Bonds of 20

How many fidget spinners would you add to make 20?

4 +

5 +

10 +

11 +

11 +

1 +

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

$16 + 4 = 20$

$20 - 7 = 13$

$30 + 10 = 40$

$25 - 5 = 20$

$27 - 4 = 23$

$8 + 9 = 17$

$42 + 8 = 50$

$51 - 4 = 47$

$22 + 10 = 32$

$38 - 8 = 30$

$62 + 9 = 71$

$100 - 32 = 68$

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 of 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.