

## Answers

### GPS Day 1

- There was only one thing she wanted: chocolate.
- Her friends were waiting for her at the cinema: they would decide what to watch when they went in. She picked up the pace.
- I told my sister not to come over to my house: I wasn't feeling very well. She come over anyway, bringing me some home-made soup.
- Various possible answers. For example: He was excited for the party: the decorations were all up.

### GPS Day 2

- Even though it wasn't an ideal situation to be in, he knew exactly what he had to do: run.
- Despite it being quite late, they agreed that they all felt the same: hungry.
- Thoughts of silver, gold and jewels buzzed around his head as he neared the cave. Xin knew what he would wish for once he had rubbed the lamp: infinite wishes. Could this day get any better?
- Various possible answers. For example: She decided to bake a cake: it was her mum's birthday the next day.

### GPS Day 3

- Since she started bird-watching, she hadn't had much luck finding anything worth sketching. Arya had spotted two rare birds on her trek today, though: a hawfinch and a nightingale.
- Knowing what was to happen next was making her feel uneasy: she really shouldn't have listened to that conversation between her parents.
- It seems that the currency we all have, and are willing to spend so frivolously, is the one we should covet the most: time. I, for one, am not willing to waste mine. How can I, knowing what I know?
- No because 'towering ominously, casting shadows below' is not an independent clause.

### GPS Day 4

- No because 'despite the weather' is not an independent clause.

- No because the colon is in the wrong place. The sentence should be: The loud bang meant only one thing: fireworks.
- Various possible answers. For example: Nadia knew what she had to do: she had to be brave because she would never get over her fear of heights if she didn't.

### GPS Day 5

- No. The colon is in the wrong place. The sentence should be: The fact that he was usually extremely disorganised meant that he felt he should make a list of what he needed to buy: pencils, pens, a rubber and a notepad.
- No because 'far into the distance' is not an independent clause.
- Various possible answers. For example: Rain was threatening to ruin the game: she was now struggling to see the ball as the sky grew darker from the impending storm.

### Maths Day 1

$3 \times 8 = 24$	$5 \times 6 = 30$	$5 \times 9 = 45$	$4 \times 8 = 32$	$5 \times 3 = 15$	$8 \times 7 = 56$
$9 \times 12 = 108$	$11 \times 7 = 77$	$8 \times 4 = 32$	$8 \times 5 = 40$	$10 \times 11 = 110$	$12 \times 2 = 24$
$3 \times 3 = 9$	$7 \times 8 = 56$	$7 \times 5 = 35$	$11 \times 11 = 121$	$12 \times 12 = 144$	$6 \times 9 = 54$

- A) 4.7
- B) 132
- C) 36
- D) 1/8
- E) Different answers
- F)  $3/5 = 9/15 = 18/30$
- G) 1<sup>st</sup>, 3<sup>rd</sup> and 4<sup>th</sup> statements
- H) 35
- I) 12 (Remember divide before add)
- J)  $c = 2$
- K) 13
- L) 22

## Day 2

$32 \div 8 = 4$	$10 \div 2 = 5$	$36 \div 3 = 12$	$36 \div 12 = 3$	$24 \div 2 = 12$	$24 \div 4 = 6$
$6 \div 6 = 1$	$21 \div 7 = 3$	$18 \div 9 = 2$	$36 \div 4 = 4$	$27 \div 3 = 9$	$42 \div 7 = 6$
$130 \div 10 = 13$	$25 \div 5 = 5$	$110 \div 11 = 10$	$56 \div 7 = 8$	$48 \div 8 = 6$	$30 \div 6 = 5$

- A) 2974  
B) 745  
C) 24cm  
D) 21 do not wear glasses  
E) kite  
F) -35  
G) 1027  
H) 32 full bags, 5 coins left over. Total £322.50  
I) Yes. The third angle must be 50 degrees so it has two equal angles.  
J) 170  
K) 10 000  
L) The answer is 71 rulers.  
 $3 \times \text{£}5.20 = \text{£}15.60$  (60 rulers)  
 $1 \times \text{£}3.15 = \text{£}3.15$  (10 rulers)  
 $1 \times 65\text{p} = \text{£}0.65$  (1 ruler)  
M)  $b = 3 \times a + 14$   
N) 8

## Day 3

$36 \div 6 = 6$	$40 \div 2 = 20$	$9 \times 3 = 27$	$11 \times 11 = 121$	$22 \div 2 = 11$	$9 \times 4 = 36$
$9 \times 9 = 81$	$27 \div 9 = 3$	$12 \times 7 = 84$	$48 \div 6 = 8$	$12 \times 12$	$15 \div 3 = 5$
$7 \times 11 = 77$	$45 \div 5 = 9$	$77 \div 11 = 7$	$56 \div 8 = 7$	$8 \times 6 = 48$	$120 \div 12 = 10$

A) 614

B) 6/11

C)

soup	chicken
soup	beef
soup	pizza
prawn	chicken
prawn	Beef
prawn	Pizza
melon	chicken
melon	beef
melon	pizza

D) 5392

E) 275

F) 6050

G) 24cm

H) 1200cm

I) 311

J)  $3 \times 30 = 90$      $1/5 \times 30 = 6$      $90+6 = 96$     The answer is 96.

K) 0.05

L)  $10\% = 85$  so     $40\% = 340$     The answer is 340g

M)  $6 \times 9 = 42$      $10 \times 12 = 120$     m could be 7,8,9,10,11

N)  $4 \times 4.5 = 18$

$432 \div 18 = 24$     The answer is 24cm

#### Day 4

$4 \times 4 = 16$	$5 \times 5 = 25$	$2 \times 2 = 4$	$11 \times 11 = 121$	$12 \times 12 =$ 144	$3 \times 7 = 21$
$8 \times 8 = 64$	$10 \times 10 =$ 100	$6 \times 6 = 36$	$5 \times 6 = 30$	$9 \times 6 = 54$	$11 \times 10 = 110$
$3 \times 3 = 9$	$7 \times 7 = 49$	$9 \times 9 = 81$	$12 \times 5 = 60$	$5 \times 4 = 20$	$8 \times 7 = 56$

A) 180

B) 929

C) How much milk has Rosie poured into the measuring jugs in total?  $125\text{ml} + 150\text{ml} = 275\text{ml}$

How much milk does Rosie have left in the bottle?  $800\text{ml} - 275\text{ml} = 525\text{ml}$

D)  $64512 + 8279 = 72791$

E)  $9/10$

F) 92388

G) 15

H) June = 30 days     $30 - 17 = 13$      $13 \times 5 = 65$      $65 + 76 = 141$     141 strawberries is the answer.

I)  $2 + 17 + 21 = 40$

J)  $1/6$

K)  $10\% = 1.9$      $1.9 \times 3 = 5.7$      $30\% = 5.7$

L)  $5+8-4+2 = 11$  or  $5 + 8 - 4 \div 2 = 11$

M) 12 is 40%

3 is 10%

30 is 100% so the answer is 30

### Day 5

$24 \div 6 = 4$	$12 \div 2 = 6$	$27 \div 3 = 9$	$84 \div 12 = 7$	$36 \div 6 = 6$	$32 \div 4 = 8$
$45 \div 9 = 5$	$28 \div 2 = 14$	$45 \div 5 = 9$	$50 \div 5 = 10$	$39 \div 3 = 13$	$42 \div 7 = 6$
$100 \div 10 = 10$	$44 \div 11 = 4$	$64 \div 8 = 8$	$56 \div 8 = 7$	$24 \div 8 = 3$	$66 \div 6 = 11$

A) 8

B) 280

C) 1040

D) 1099

E) Triangular prism

F) 57 minutes 7 seconds

G) 110 degrees

H) 70 (10% = 140)

I) 0.016

J) 152 degrees

K)  $60/360 = 1/6$

L) 600

Number Challenge - These are just some suggestions for answers. There are others.

Can you make 406?

$$8 \times 25 = 200 \quad 50 \times 4 = 200 \quad 2 \times 3 = 6$$

$$200 + 200 + 6 = 406$$

Can you make 150?

$$50 + 25 = 75 \quad 75 \times 2 = 150$$

Can you make 600?

$$8 \times 3 = 24 \quad 24 \times 25 = 600$$

How many totals can you make between 100 and 200?

e.g.  $50 \times 2 = 100$   $100 + 2 = 102$  so 102 is a total between 100 and 200.