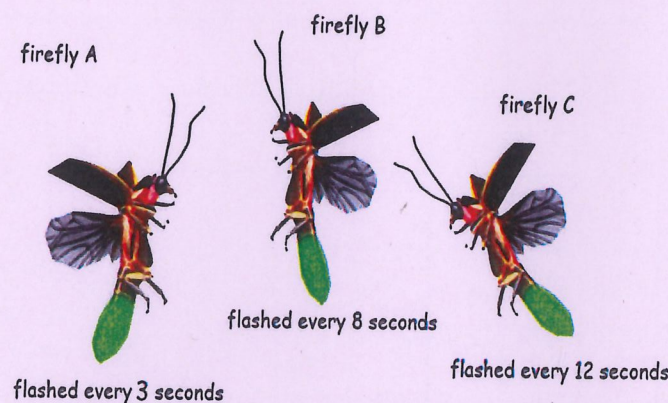## Left Page

### Learning Objective
We are learning how to solve a natural world problem by using and applying our knowledge and skills of number, multiplication and division.

### The Problem:

Akio was watching 3 fireflies flash in the darkness. After flashing once, all at the same time, he noticed that the firefly closest to him flashed after every 3 seconds. He noticed that the firefly that was the furthest away flashed after every 12 seconds and a third firefly flashed after every 8 seconds.

firefly A

firefly B

firefly C

flashed every 3 seconds

flashed every 8 seconds

flashed every 12 seconds

If Akio watched the fireflies for exactly one minute, can you calculate how many times he saw them flash at the same time?

Can you explain to a partner how you arrived at your answer? What was the same? What was different?

### Recording:

Use this space to show your working out.

8, 16, (24), 32, 40, (48), 56.

3, 6, 9, 12, 15, 18, 21, (24), 27, 30, 36, 39, 42, 45, (48) 51,

54, 57, 60

12, (24) 36, (48) 60.

24 and 48 are in all of the times table which is only 2 numbers

### Answer:

The fireflies flashed _____2_____ times together in one minute.

## Right Page

### Learning Objective
We are learning how to solve a natural world problem by using and applying our knowledge and skills of number, multiplication and division.

### The Problem:

Akio was watching 3 fireflies flash in the darkness. After flashing once, all at the same time, he noticed that the firefly closest to him flashed after every 3 seconds. He noticed that the firefly that was the furthest away flashed after every 12 seconds and a third firefly flashed after every 8 seconds.

firefly A

firefly B

firefly C

flashed every 3 seconds

flashed every 8 seconds

flashed every 12 seconds

If Akio watched the fireflies for exactly one minute, can you calculate how many times he saw them flash at the same time?

Can you explain to a partner how you arrived at your answer? What was the same? What was different?

### Recording:

Use this space to show your working out. If on the hundred square is you circle every 3 seconds then under line every 8 seconds then dot every 12 seconds and then count how many times they all land on the same number that is your answer
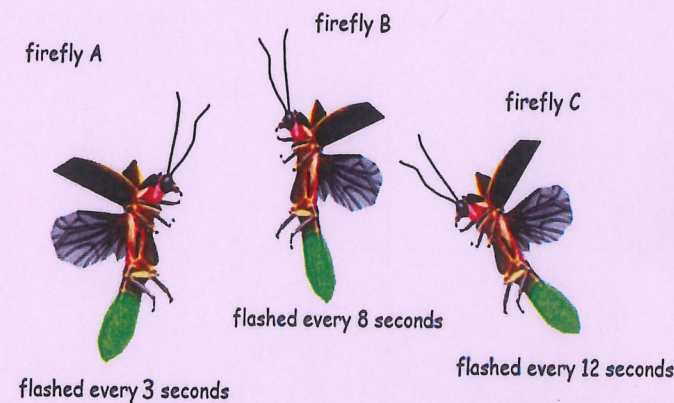
### Answer:

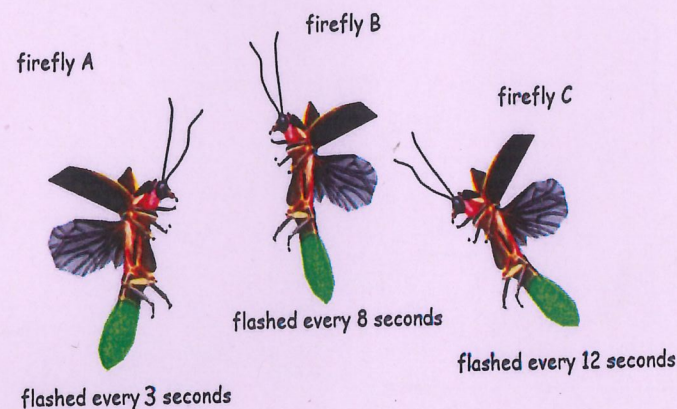The fireflies flashed _____2_____ times together in one minute.
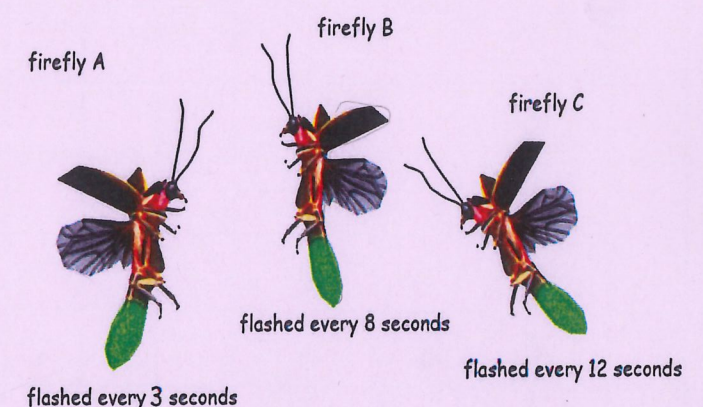
## Learning Objective

We are learning how to solve a natural world problem by using and applying our knowledge and skills of number, multiplication and division.

## The Problem:

Akio was watching 3 fireflies flash in the darkness. After flashing once, all at the same time, he noticed that the firefly closest to him flashed after every 3 seconds. He noticed that the firefly that was the furthest away flashed after every 12 seconds and a third firefly flashed after every 8 seconds.

firefly A

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flashed every 3 seconds

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flashed every 12 seconds

If Akio watched the fireflies for exactly one minute, can you calculate how many times he saw them flash at the same time?

Can you explain to a partner how you arrived at your answer? What was the same? What was different?

## Recording:

Use this space to show your working out.

3 6 9 12 15 18 21 24 27 30 33
1 2 3 4 5 6 7 8 9 10 11
36 39 42 45 48 51 54 57 60
12 13 14 15 16 17 18 19 20

8 16 24 32 40 48 56 12 24 36 48 60
1 2 3 4 5 6 7 1 2 3 4 5

20 + 7 + 5 = 32

20 + 7 = 27
+ 5
32

## Answer:

The fireflies flashed ___32___ times together in one minute.

---

## Learning Objective

## The Problem:

firefly A

firefly B

firefly C

flashed every 3 seconds

flashed every 8 seconds

flashed every 12 seconds

## Recording:

Use this space to show your working out.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |

you can only go up to 60. The gaps between 0 and 24 and 24 and 48 are 24 so 48 + 24 = more

## Answer:

The fireflies flashed ___two___ times together in one minute.