REASONING

3ER14

National Numeracy Tests

First name _____

Last name _____

School _____

Class _____

Date of birth ⬤⬤ ⬤⬤ ⬤⬤⬤⬤

Date of test ⬤⬤ ⓪⑤ ②⓪①④
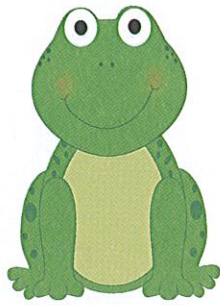
Total score ⬭ (maximum 20)

117606

Llywodraeth Cymru
Welsh Government

2, 3, 5

Ffion jumps forward 2, 3 and 5, in any order.

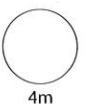Show all the **different** ways she can do this.

One is done for you.

Start 1 ②3 4 ⑤6 7 8 9 ⑩
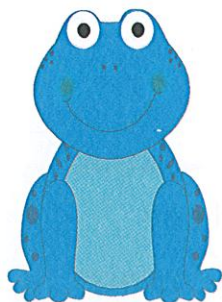
Start 1 2 3 4 5 6 7 8 9 10

Start 1 2 3 4 5 6 7 8 9 10

Start 1 2 3 4 5 6 7 8 9 10

Start 1 2 3 4 5 6 7 8 9 10

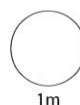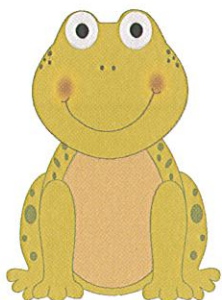Start 1 2 3 4 5 6 7 8 9 10

4m

2

Fred jumps forward 3 and 7, in any order.

How many **different** ways can he jump to 10?

3

Flo jumps to 10 using jumps of the **same size**.
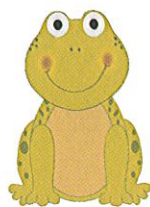
Show **different** ways she can do this.

Start 1 2 3 4 5 6 7 8 9 10

Start 1 2 3 4 5 6 7 8 9 10

1m

1m

1m

TOTAL

7m
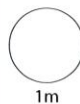
4 Flo, Fred and Ffion eat spiders.

I eat **2 more** than Flo.

I eat **2 more** than Fred.

Flo

Fred

Ffion

Flo, Fred and Ffion eat **30** spiders altogether.

How many spiders does each one eat?

Flo eats [ ] spiders.

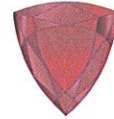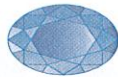Fred eats [ ] spiders.

Ffion eats [ ] spiders.

3m

Stop here

TOTAL

3m

7p

3p
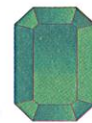
[p   ]

9p
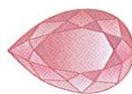
[p   ]

14p

4p

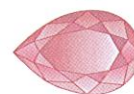8p

[p   ]

[p   ]

7p

10p

3m

2p each   3p each   5p each

has 30p.

She buys **four** and **four**

How many can she buy?

2m

has 40p.

He wants an **equal number** of , and

How many of each jewel can he buy?

of each jewel

2m

TOTAL

7m

3 The children have six boxes.

10 **small** jewels fit in each box

or

5 **big** jewels fit in each box.

has 23 **small** jewels and 10 **big** jewels.

has 17 **small** jewels and 9 **big** jewels.

Will **all** their jewels fit in the six boxes?

Show how you work it out.

3m

TOTAL

3m