

REASONING

2ER17

National Numeracy Tests

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

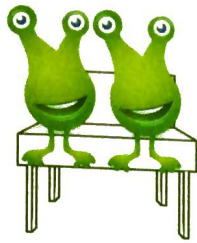
Date of test ○○ 05 2017

Total score (maximum 20)

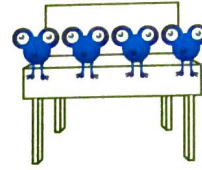


Llywodraeth Cymru
Welsh Government

1 2 Bigs



4 Littles



The space taxi has 5 seats.



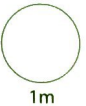
How many **Bigs** can fit on 5 seats?

Bigs



How many **Littles** can fit on 5 seats?

Littles



Can 9 Bigs with 2 Littles fit on 5 seats?

Show how you know.

A large empty rectangular box with a dark red border, intended for drawing or writing. In the top-left corner, there is a small icon of a notepad and a pencil.

2 Tickets for the space taxi:



1 **Big** pays 10 ibs

10



1 **Little** pays 5 ibs

5

Who pays exactly 30 ibs?

30 ibs for

1

Big with

4

Little's

or

30 ibs for

0

Bigs with

Little's

or

30 ibs for

Bigs with

Little's

or

30 ibs for

Bigs with

Little's



3

Each Big builds 4 sandcastles.

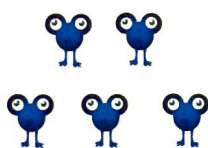


Each Little builds 2 sandcastles.



1 Big and 2 Littles

build sandcastles.



2 Bigs and 5 Littles

build sandcastles.

Each sandcastle needs 2 flags.



How many **flags** do they need?

Show how you work it out.



flags



1 Tim has:



a red scarf

a blue scarf

a red hat

a blue hat

Show all the ways to put 1 scarf and 1 hat on the snowman.

a

scarf and a

hat

or a

scarf and a

hat

or a

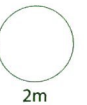
scarf and a

hat

or a

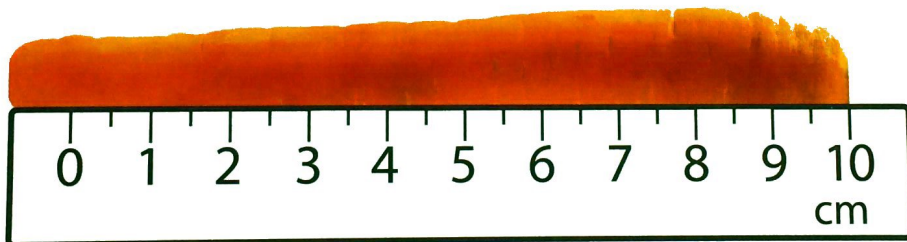
scarf and a

hat



2m

2 This carrot is the snowman's nose.



Erin says the carrot is 10cm long.

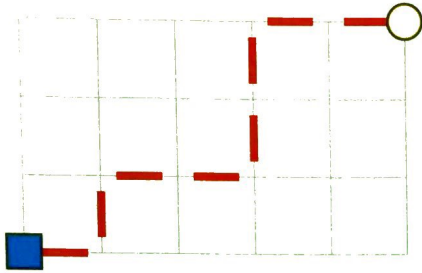
Explain why she is **wrong**.



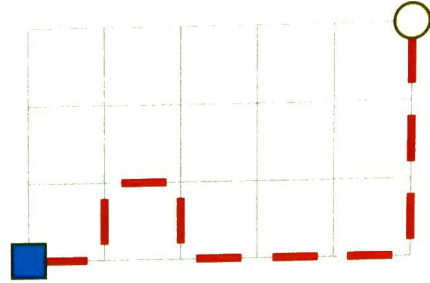
1m

3 Each day Spot moves from ■ to ○

Spot takes 8 steps.



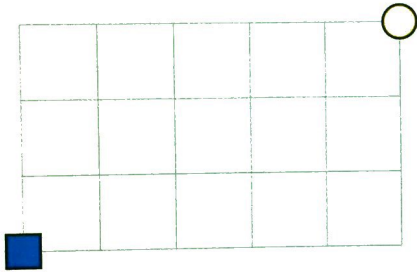
Spot takes 10 steps.



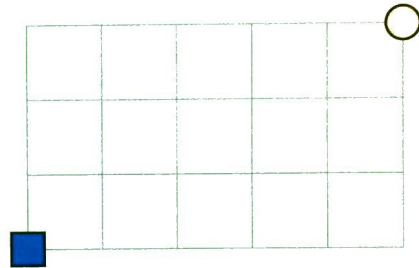
How else can Spot move from ■ to ○?

Draw on the lines.

Spot takes 8 steps.



Spot takes 10 steps.



When Spot takes 2 steps

Erin takes 1 step.

Spot takes 12 steps.

Erin takes steps.

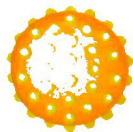


4 Tim's and Erin's snowman is the best. They win £1

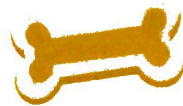
Sale



bowl 50p



ball 25p



bone 30p

They have £1

Can they buy 1 bowl and 2 bones?

Show how you work it out.

1m

What can they buy for exactly £1 in the sale?

Give two different answers.

exactly £1 for

or exactly £1 for

2m