

REASONING

5ER14

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ 05 2014

Total score (maximum 20)

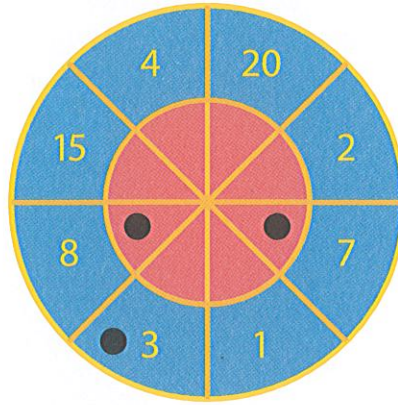


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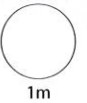


Llywodraeth Cymru
Welsh Government

1 Jen threw these three darts:

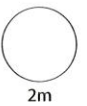
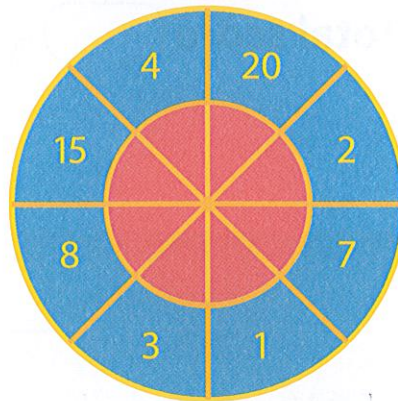
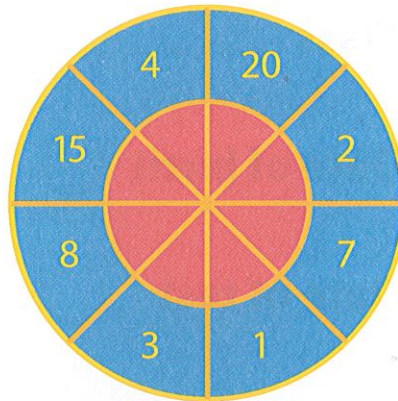


What did she score?



On her next turn, she threw three darts and scored **100**

Show two **different** ways to score 100 with three darts.



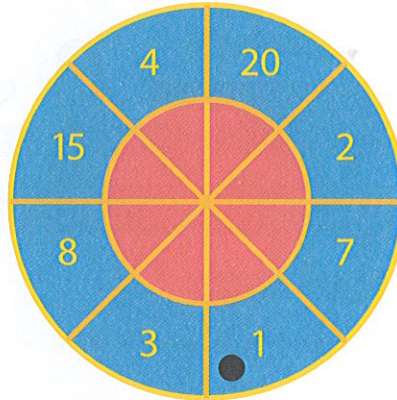
Later, Jen's score is **338**



My score is **338**

To finish the game
I need exactly **350**

Her first dart scores **1**



Her third dart must be a double.

Write two **different** ways she can finish the game with exactly **350**

1st dart: 2nd dart: 3rd dart:

Or

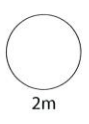
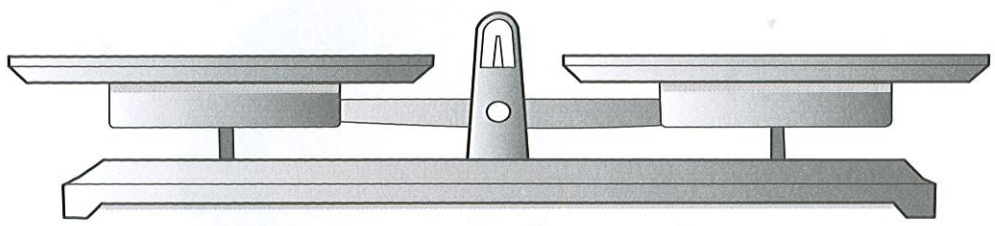
1st dart: 2nd dart: 3rd dart:

2

Five weights:



Put the five weights on the scales so that the scales balance.



3

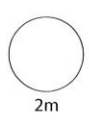
total cost **80p**

total cost **£1**

How much does  cost?



p



4 Zigs, Pobs and Wums are aliens.

Zigs have **3** teeth and **1** eye.



Pobs have **0** teeth and **2** eyes.




Wums have **0** teeth and **3** eyes.



The aliens have a party.

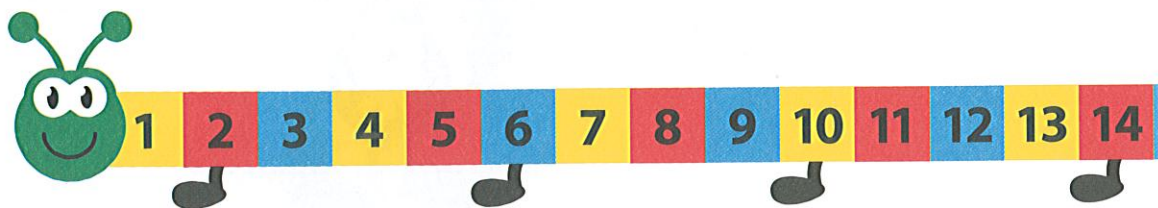
Altogether, there are **24** teeth and **15** eyes.

How many Zigs, Pobs and Wums are at the party?



| Number of Zigs | Number of Pobs | Number of Wums |
|----------------|----------------|----------------|
| | | |

5 This is a playground centipede:



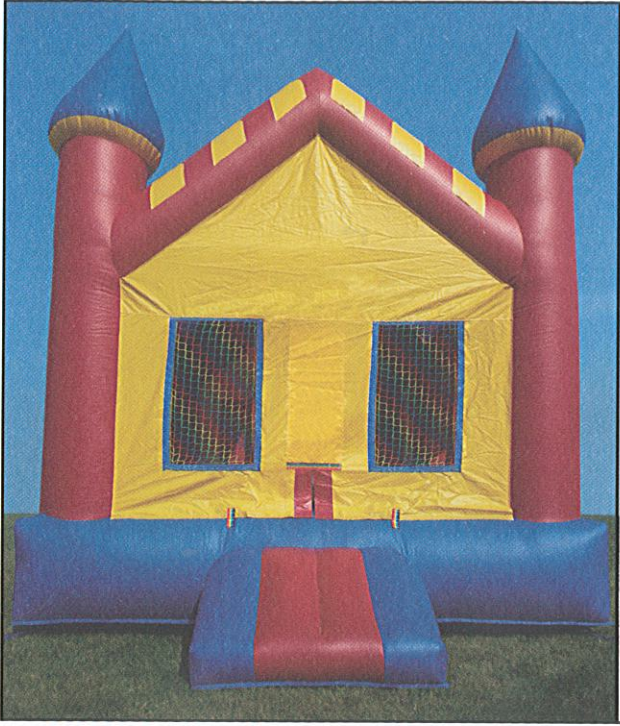
14 Square **14** is red and has a leg.

The pattern continues.

? Work out the **next** number that is red **and** has a leg.

3m

6



Bouncy Castle

Friday: open from
2pm to 4pm

Each child pays
50p for 5 minutes

No more than
**6 children at any
one time**

What is the **most** money that the bouncy castle owner can make on Friday?



£

