REASONING

4ER15

First name _____

Last name _____

School _____

Class _____

Date of birth ⃝⃝ ⃝⃝ ⃝⃝⃝⃝

Date of test ⃝⃝ ⓪⑤ ②⓪①⑤

Total score ⃝ (maximum 20)

20cm 25cm 15cm

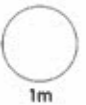30cm 25cm 20cm

45cm 10cm 30cm
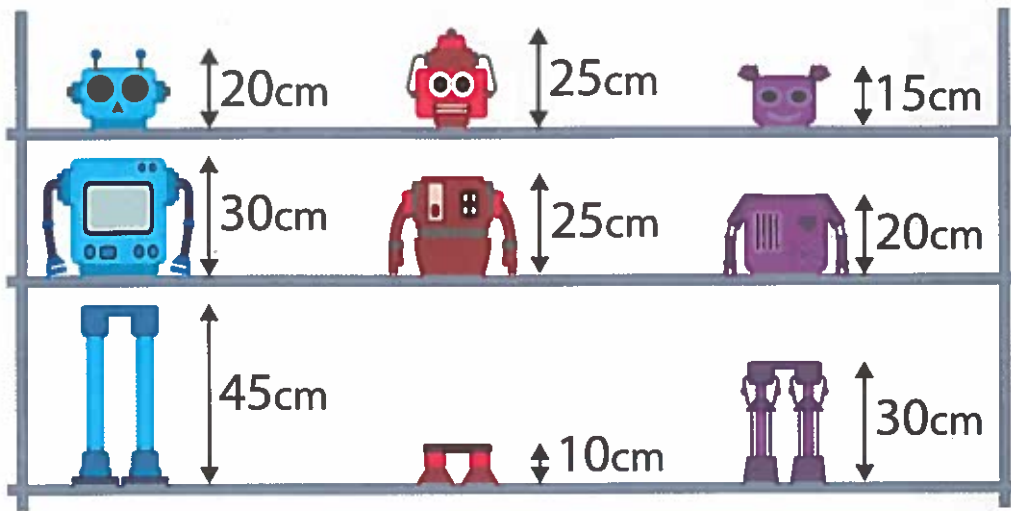
Special robots have three different colours.

How tall is this special robot?

cm

1m

Another special robot is **50cm** tall.

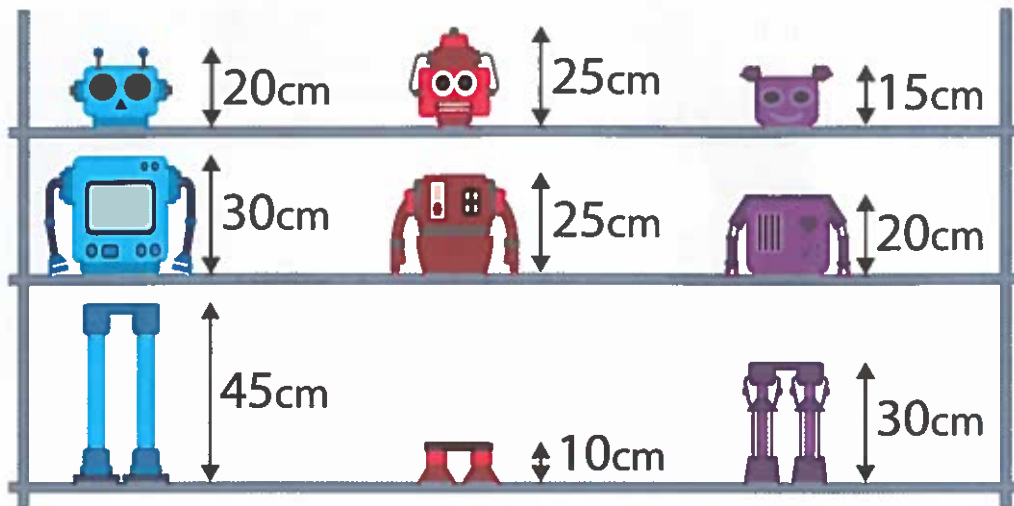What **colours** are its head, body and legs?

Its head is _____

Its body is _____

Its legs are _____

2m

20cm
25cm
15cm
30cm
25cm
20cm
45cm
10cm
30cm

Special robots have three different colours.

Describe the **tallest** special robot.

Its head is _____

Its body is _____

Its legs are _____

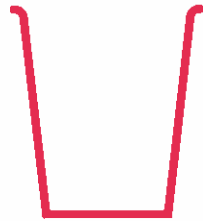The special robot is _____ cm tall.

3m

TOTAL

6m

2 Rhys throws balls into buckets.

He scores **16** with three balls like this.
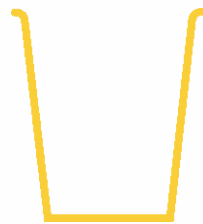

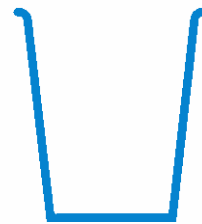| Each ball scores **2** | Each ball scores **4** | Each ball scores **6** |

Show how he can score exactly **16** with **four** balls.
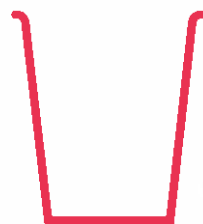

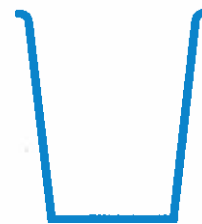| Each ball scores **2** | Each ball scores **4** | Each ball scores **6** |

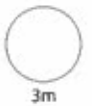Now show how he can score exactly **16** with **five** balls.

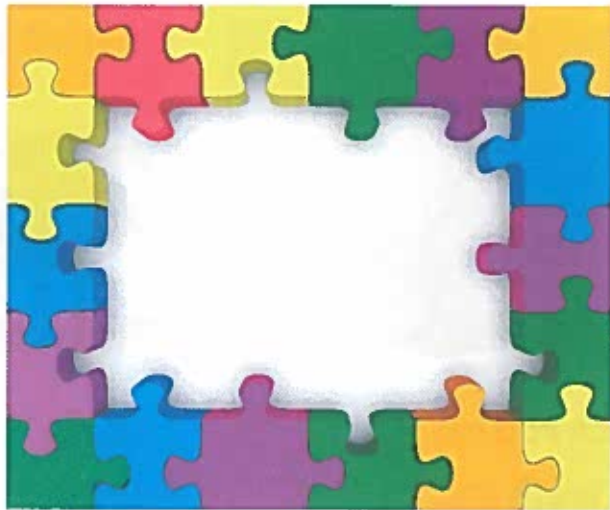| Each ball scores **2** | Each ball scores **4** | Each ball scores **6** |

3

How many pieces fit in the middle of this jigsaw?

4

Awen

Iola

I am **20 years older** than Awen.

The **total** of their ages is **100**

How old are they?

Awen is _____ Iola is _____

TOTAL

8m

This is a **Pob**.

This is a **Zig**.

Each Pob has
3 teeth and
1 eye.

Each Zig has
0 teeth and
3 eyes.

Some Pobs and Zigs are together.

Altogether, they have **15 teeth** and **11 eyes**.
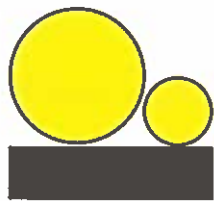
How many Pobs and Zigs are there?

There are ☐ Pobs and ☐ Zigs.

3m

6

6 This train has **12** seats.

On each seat you can fit:

1 adult and **1 child**   or   **3 children**

7 adults and **24 children** want to go on the train.

Are there enough seats?

Show how you know.

3m

TOTAL

6m