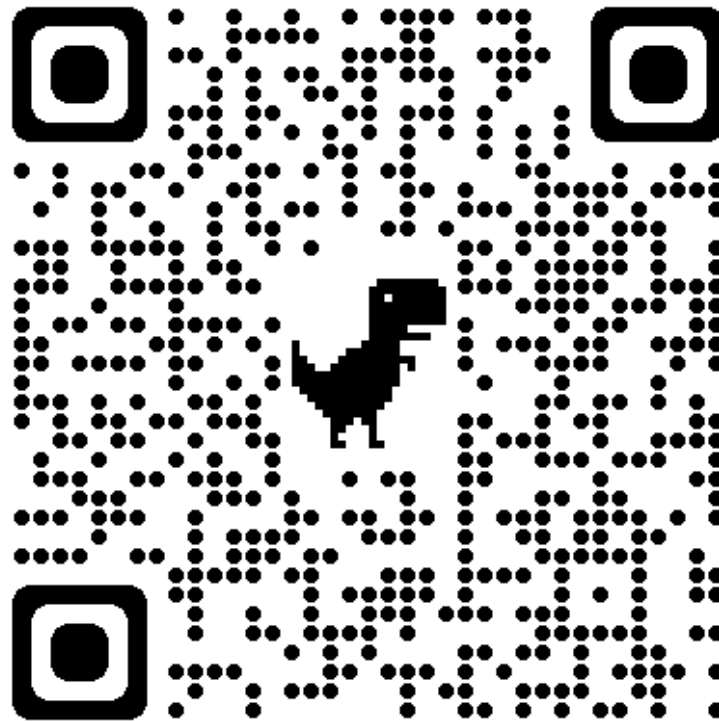




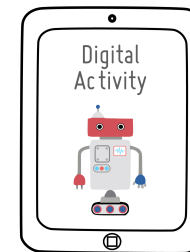
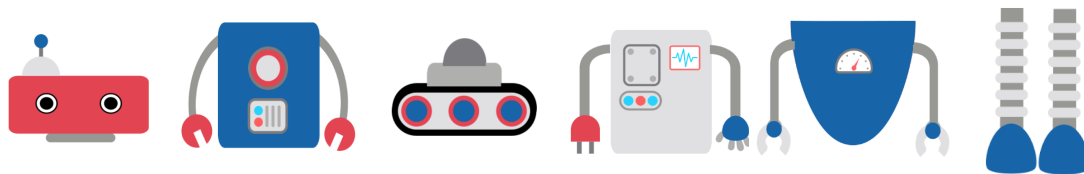
Robot Workshop QR Code



MATHS
QUEST

QR

I have these six robots parts. Draw a diagram that shows all the possible robots I can make.

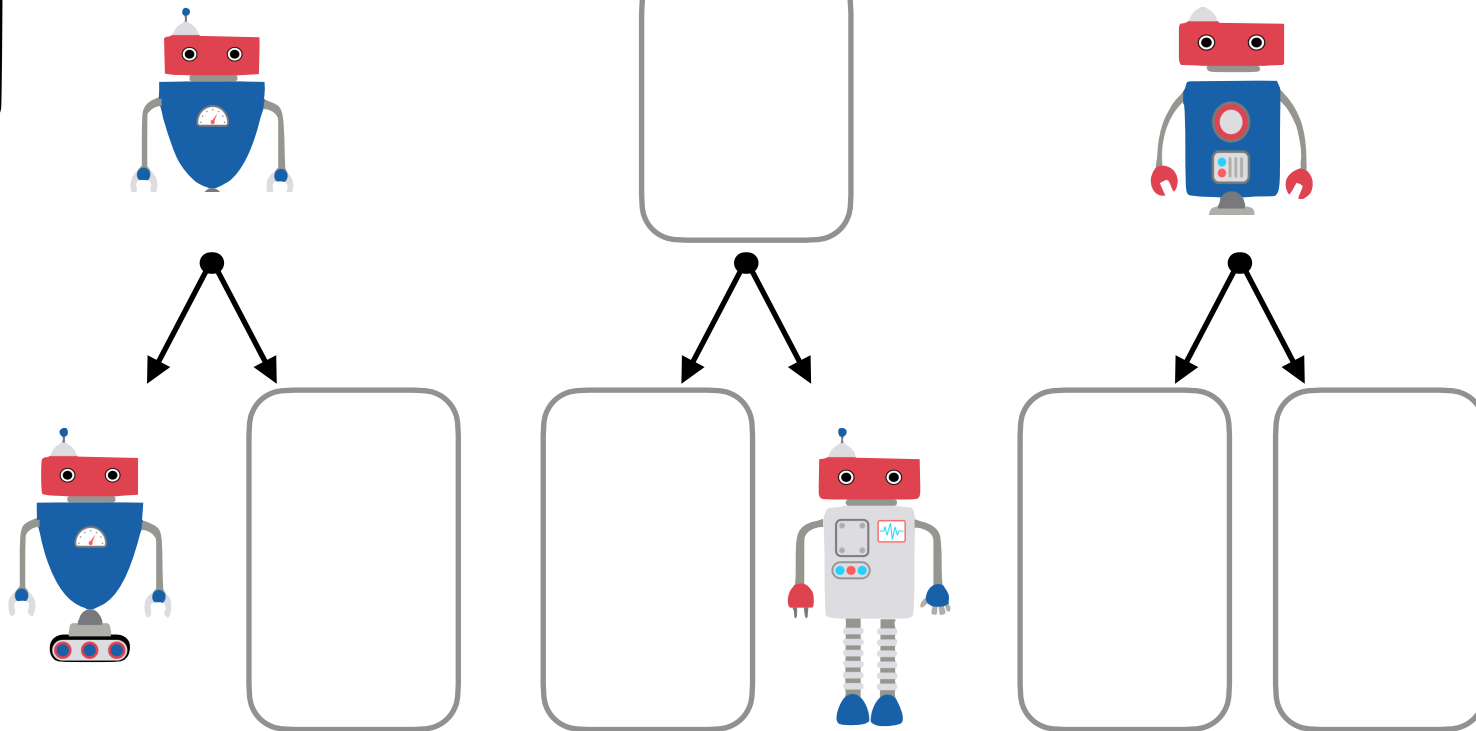
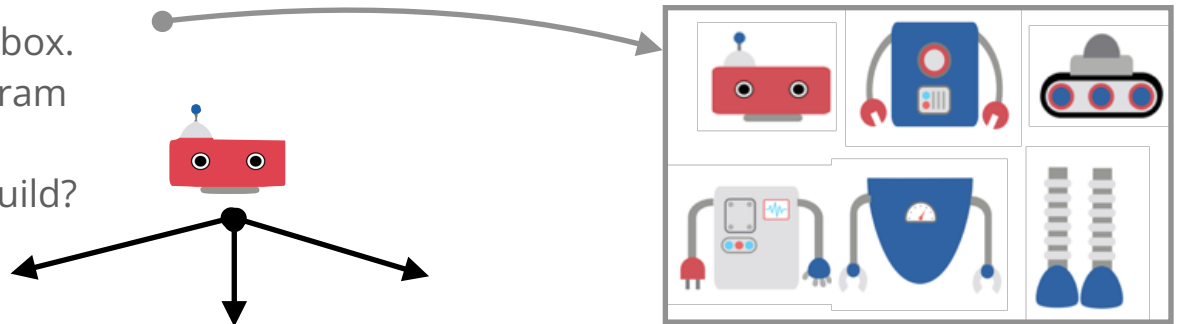
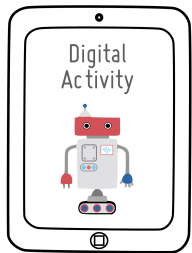


Name/s: _____

MATHS
QUEST

1a

I have the six robots parts shown in the box.
Can you fill the empty boxes in this diagram
with the missing pieces?
What are the six different robots I can build?

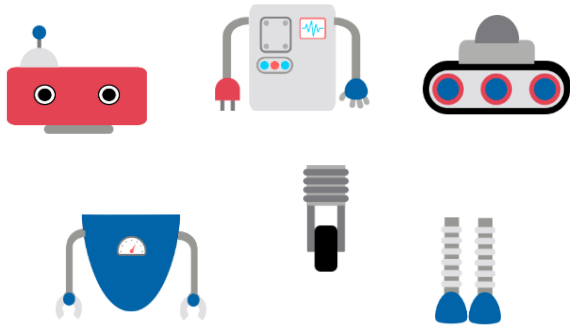


Name/s: _____

MATHS
QUEST

1b

How many different robots can I make with these parts?

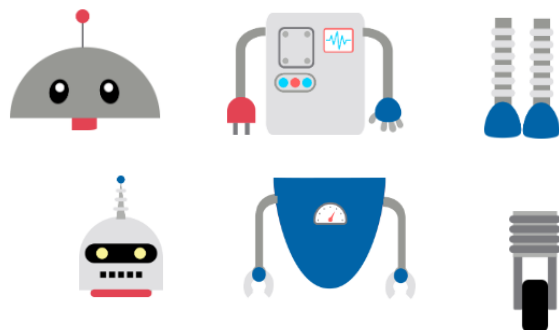


Name/s: _____

MATHS
QUEST

2

How many different robots can I make with these parts?

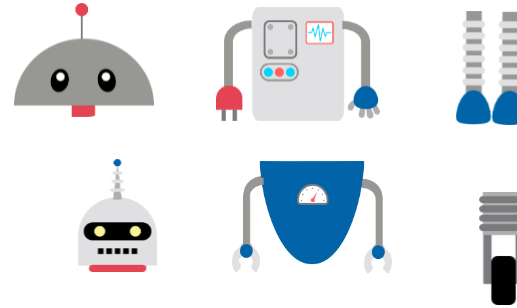
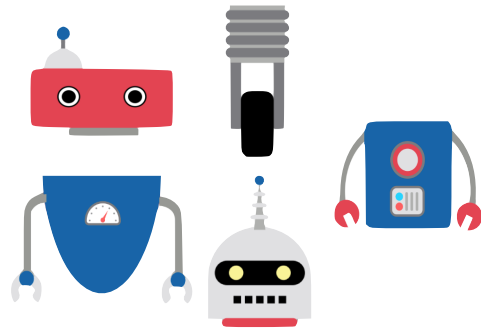


Name/s: _____

MATHS
QUEST

3

Which set of parts will let me make the most robots?

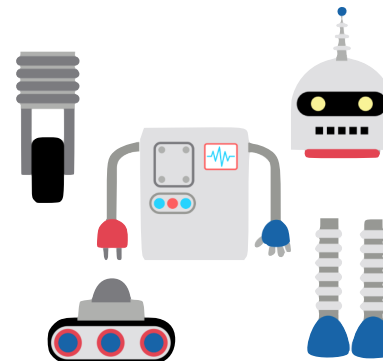
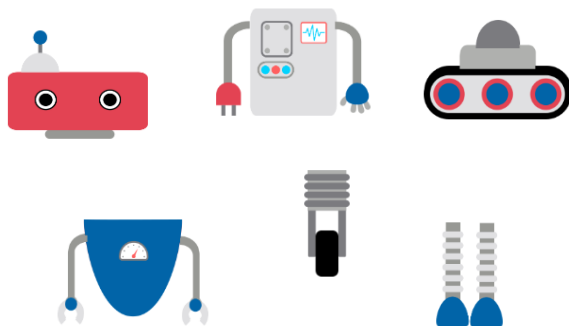


Name/s: _____

MATHS
QUEST

4

Which set of parts will let me make the most robots?



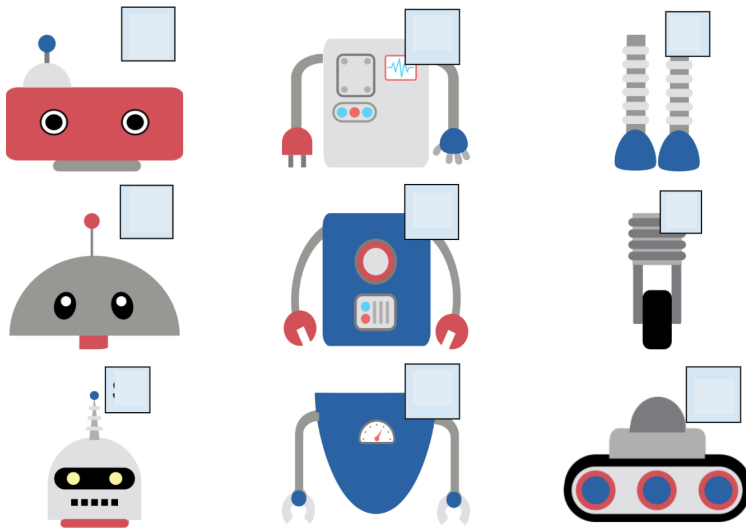
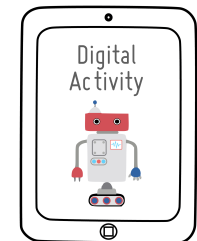
Name/s: _____

MATHS
QUEST

5

Random Robot Parts:

Open Robot Workshop and press the Random Robot Parts button three times.
Tick the boxes below to show what parts you have.
How many robots can you build? **Show** them on this page.



Name/s: _____

MATHS
QUEST

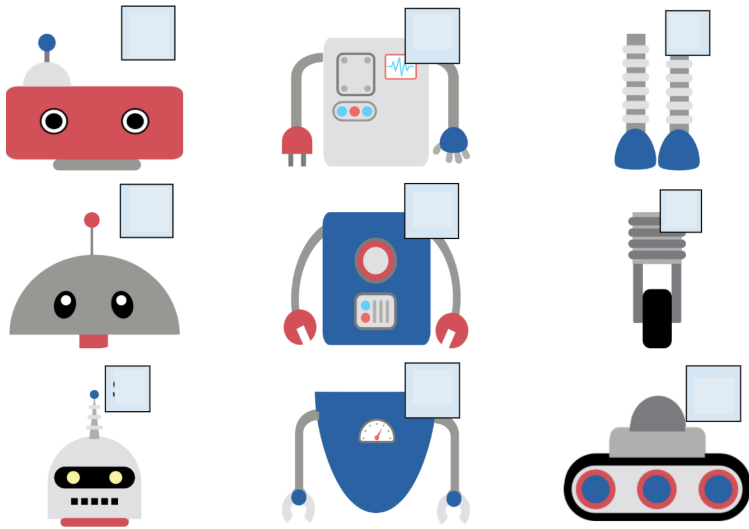
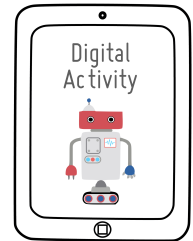
6a

Random Robot Parts:

Open Robot Workshop and press the Random Robot Parts button three times.

Tick the boxes below to show what parts you have.

How many robots can you build? Use a **diagram to prove** you've made all possibilities.



Name/s: _____

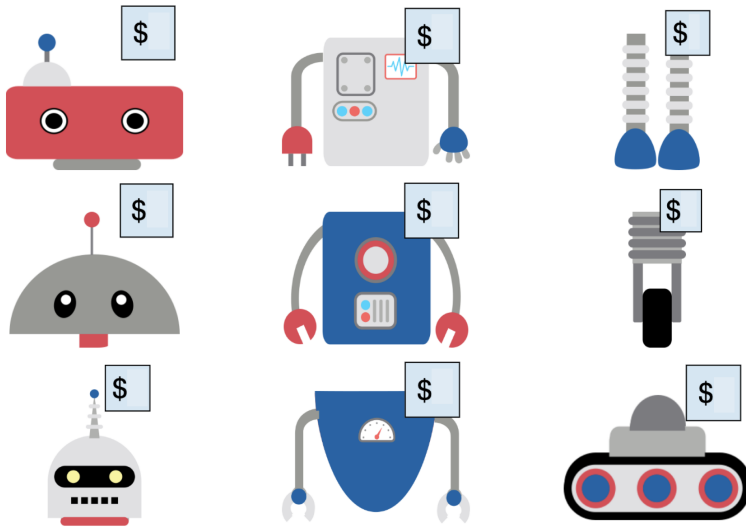
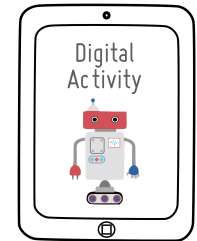
MATHS
QUEST

6b

Random Robot Parts Price Challenge:

Open Robot Workshop and tick 'Show prices.'

Click the Random Robot Parts three times and write the prices below on the parts you have. Choose a challenge from below (or two!) and record your answers.



- ☐ Make your most expensive Robot/s
- ☐ Make your least expensive Robot/s
- ☐ Make as many Robots as you can that cost the **same** amount
- ☐ Can you make a \$5 Robot?
- ☐ Can you make a \$7 Robot?

Name/s: _____