

# MIDHURST ROTHER COLLEGE



# YEAR 7 PASSPORT

NAME: .....

My Name is:

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Place a photo of you  
here 😊

My hobbies/interests are:

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This summer I have enjoyed doing:

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My favourite subject is:

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My favourite holiday/trip has been:

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I have a pet/called:

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My favourite food is:

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My best friend is

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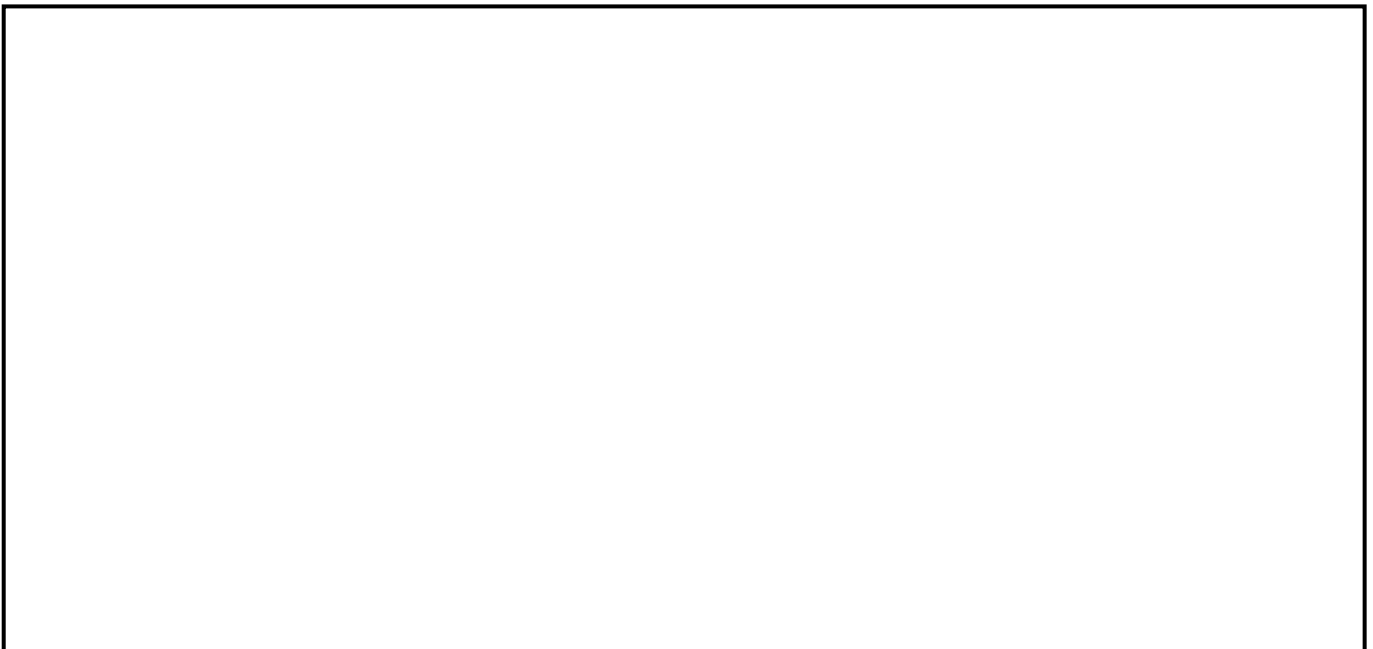
My family includes:

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My dream job is:

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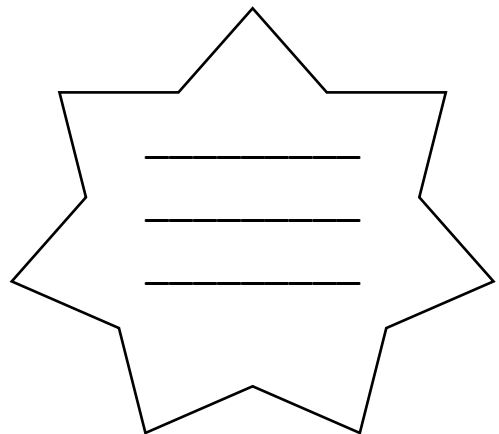
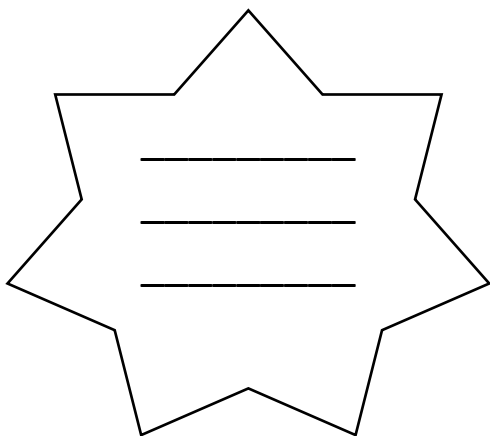
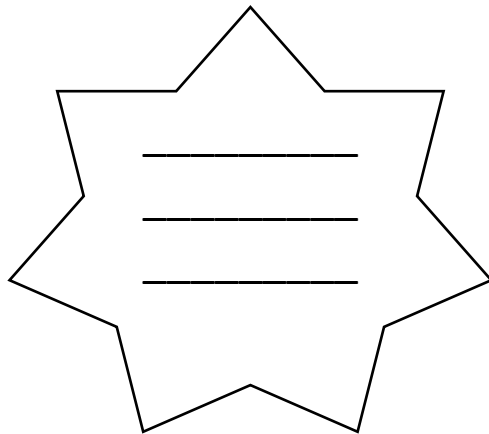
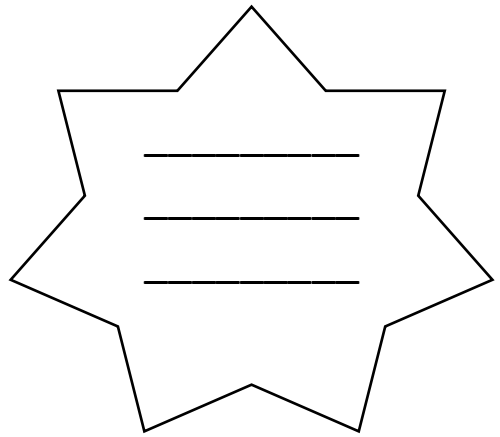
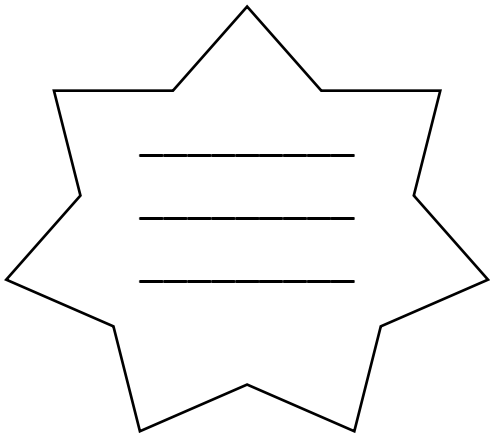
**This is a picture of me doing this job!**



# What am I excited about?

Starting a new school means having exciting new experiences,  
trying new things and meeting new people.

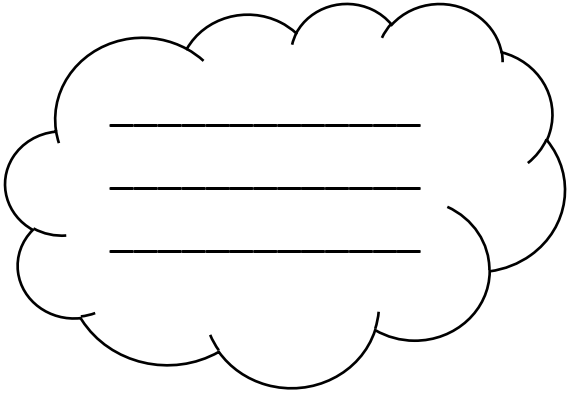
Think of all the things that you are excited about when you think of starting MRC



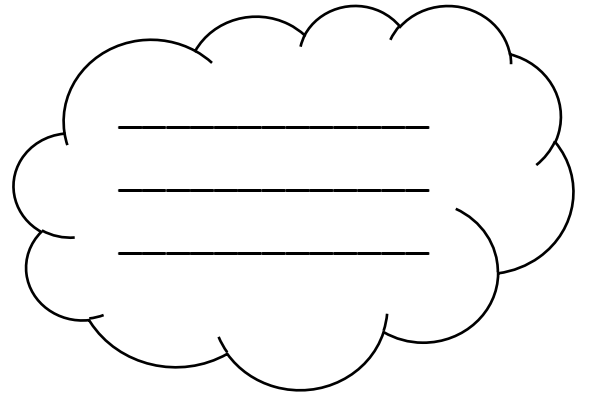
# What am I worried about?

Sometimes you might have worries or questions about starting at a new school.

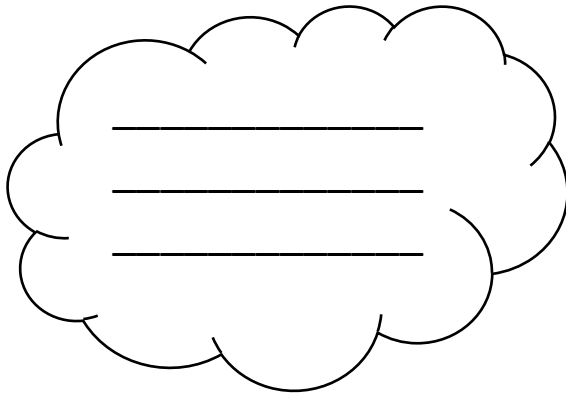
Write down any thoughts, worries or questions you might have.



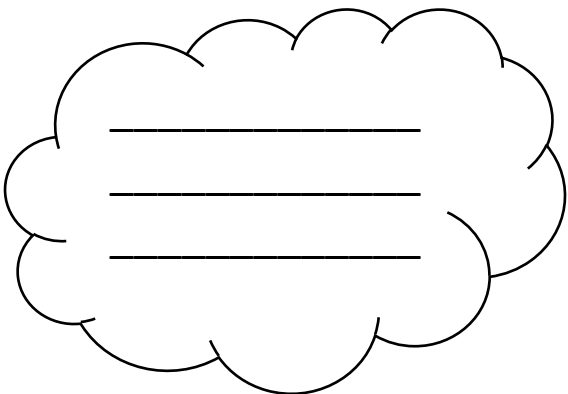
A cloud-shaped writing box with three horizontal lines inside for writing.



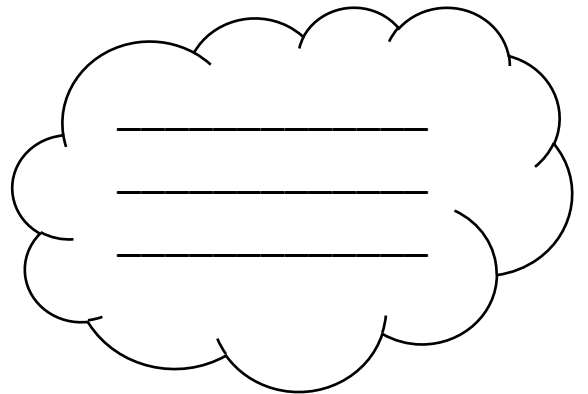
A cloud-shaped writing box with three horizontal lines inside for writing.



A cloud-shaped writing box with three horizontal lines inside for writing.



A cloud-shaped writing box with three horizontal lines inside for writing.



A cloud-shaped writing box with three horizontal lines inside for writing.

# YEAR 6 ENGLISH TASK

Name: \_\_\_\_\_



**TASK 1 - QUESTION CHALLENGE** - please answer in full sentences remember your punctuation! You can base your answers on the picture below. You may also wish to use your ideas in task 2.

1. What are the creatures in the photograph?
2. What is a 'pod'?
3. How many animals do you think are in this 'pod'?
4. What are they doing in the photo?
5. Why do they stick together like this?
6. Do any other land/sea animals do something similar?
7. Where in the world would you find creatures such as these?

**TASK 2 - CREATIVE WRITING CHALLENGE** - Inspired by the picture below, or the title of 'The Pod', we would like you to write a short story, no longer than the writing lines on this piece of paper. Need help getting started? Try using the starter below and carry the story on from there.

Top Tips

- Use of language techniques such as adjectives, similes, metaphors, personification.
- Vary your sentence starters with words other than; then, we, I etc.
- Vary your sentence lengths and paragraphs for effect.
- Try and improve your spelling, punctuation and extend your vocabulary.

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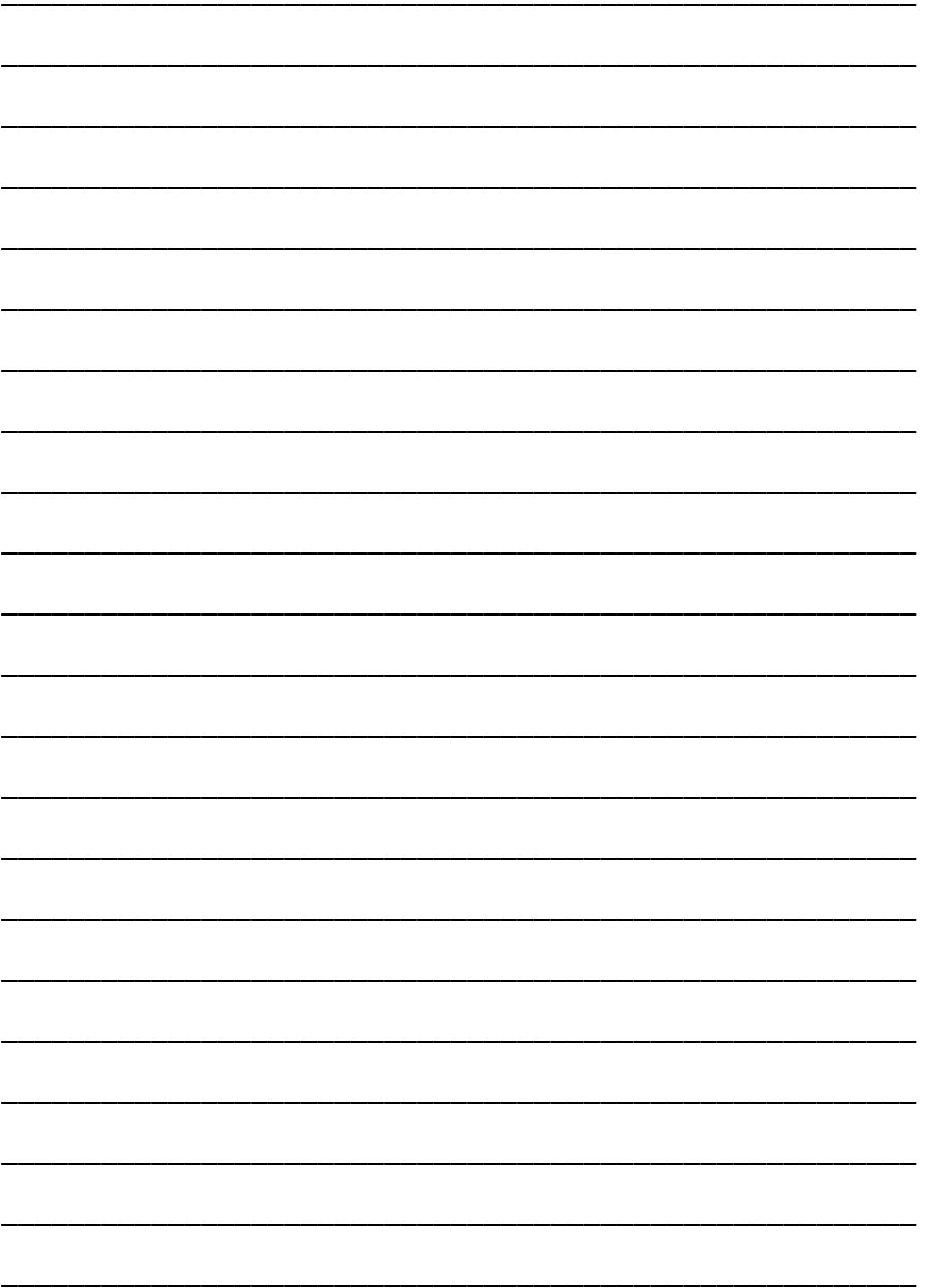
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NAME: \_\_\_\_\_

# My Science work for MRC

**Kitchen science** – (If you can't get the equipment check this video <https://www.youtube.com/watch?v=569vOBXHYyw> or scan QR:)



## Lava Lunacy

### Practicalities and preparation:

Do not use yellow food colouring, as it will not show up against the oil!

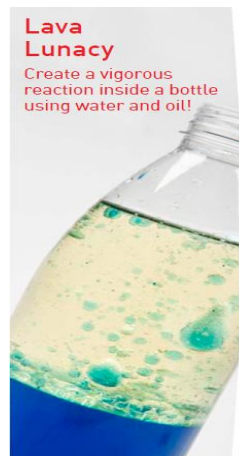
If the bottle is knocked over, mopping up may be problematic because of the oil, do it over a tray or container.

### Safety information

Please remember Alka-Seltzer contains aspirin, therefore we recommend that student should not be left unsupervised with them.

### The science

Water and oil do not mix, as you probably know. This is because water is denser than oil and sinks to the bottom. The food colouring mixes only with the water, which is why the oil stays its normal colour. The Alka-Seltzer tablet falls through the oil and when it reacts with the water it creates tiny bubbles of CO<sub>2</sub>. This gas floats to the surface because it is much lighter (less dense) than both the water and the oil, carrying drops of coloured water with it. When the bubbles pop and the gas is released, the denser water sinks back down again.



**Lava Lunacy**  
Create a vigorous reaction inside a bottle using water and oil!



Grab this stuff:

- A Plastic bottle
- B Funnel
- C Vegetable oil

- D Water
- E Food colouring
- F Alka-Seltzer tablet



**Lava Lunacy**

Pour water into a clean bottle until it is one-third full.

Add a few drops of food colouring.

Then fill the rest of the bottle with vegetable oil.

Break the Alka-Seltzer tablet in half and add it to the bottle. Watch the lava blobs!





NAME: \_\_\_\_\_

Kitchen science – (If you can't get the equipment check this video <https://www.youtube.com/watch?v=EaliBPJH64> or scan QR:)



## Stupid Egg Trick

### Safety information

Using juggling balls and plastic tumblers will save money on eggs and reduces potential risks from salmonella and broken glass.

### The science

The place mat has a smooth side and a rough side. The smooth side is a face down on the glasses and slides over them with little friction. The cork side is a face up and grips the tubes, dragging them along, as there is more friction between the surfaces. The eggs are heavy, and gravity pulls them down into the glasses. The water stops the eggs breaking the glasses. This demonstrates Newton's first law of motion (objects remain at rest or travelling at constant speed unless a force acts on them to change their motion) and helps us understand inertia. Inertia is the tendency for an object at rest to remain at rest until a force acts on it. In terms of the Stupid Egg Trick, inertia is important because, according to the law, the objects (the eggs) will not move unless an outside force (gravity) moves them.



Grab this stuff:

- A 3 eggs (or juggling balls)
- B 3 hollow tubes
- C 3 glasses
- D Cork-backed place mat
- E Water

**Stupid Egg Trick**

1 Arrange the glasses in a triangle formation, then half fill them with water.

2 Balance the board on the glasses with the cork side facing upwards. Next balance the plastic tubes on the board, open end up and directly over the glasses. You can check you have done this correctly by looking at the board at eye level from the front and the side.

3 The tricky bit is now balancing three eggs on top of the three tubes. The aim is to get the eggs into the glasses without touching them. Hit the board hard and see what happens...



NAME: \_\_\_\_\_

# My Maths work for MRC



## The MRC 100% Club Year 6 – Year 7



Name: \_\_\_\_\_

During the summer we would like you to complete the 100% challenge!

This booklet contains 8 sets of similar questions that will help you to practice and remember some key facts and methods in maths.

The aim is to try and reach 100% by the end of the 8 sessions (or sooner!)

Each question is worth 1 mark and is non-calculator.

Answers are on our Transition page on the MRC website so you can check your answers.

Track your progress below:

Session	Date	Time taken	Score	Percentage = $\frac{\text{score}}{\text{total}} \times 100$
1				
2				
3				
4				
5				
6				
7				
8				

1)  $5 \times 6$

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2)  $979 + 100$

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3)  $123 \times 2$

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4)  $6.1 + 0.3$

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5)  $24 \times 3$

---

6)  $1034 + 56$

---

7)  $48 \div 6$

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8)  $472 - 9$

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9)  $2.5 + 0.05$

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10)  $5 \times 4 \times 7$

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**Session  
2**

1)  $4 \times 8$

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2)  $919 + 100$

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3)  $243 \times 2$

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4)  $9.1 + 0.7$

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5)  $34 \times 3$

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6)  $1128 + 72$

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7)  $72 \div 9$

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8)  $573 - 9$

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9)  $3.7 + 0.02$

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10)  $3 \times 5 \times 4$

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1)  $7 \times 8$

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2)  $943 + 100$

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3)  $313 \times 3$

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4)  $0.6 + 0.1$

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5)  $23 \times 4$

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6)  $1214 + 86$

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7)  $42 \div 6$

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8)  $876 - 9$

---

9)  $0.5 + 0.05$

---

10)  $6 \times 2 \times 3$

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1)  $6 \times 8$

---

2)  $912 + 100$

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3)  $213 \times 3$

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4)  $9.2 + 0.7$

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5)  $36 \times 3$

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6)  $2718 + 82$

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7)  $56 \div 7$

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8)  $793 - 9$

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9)  $3.3 + 0.03$

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10)  $9 \times 3 \times 2$

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1)  $8 \times 7$

---

2)  $998 + 100$

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3)  $404 \times 2$

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4)  $0.1 + 0.01$

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5)  $27 \times 3$

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6)  $1411 + 89$

---

7)  $42 \div 7$

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8)  $1062 - 9$

---

9)  $6.2 + 0.02$

---

10)  $5 \times 5 \times 4$

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1)  $7 \times 4$

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2)  $910 + 100$

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3)  $234 \times 2$

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4)  $0.11 + 0.01$

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5)  $17 \times 3$

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6)  $9023 + 77$

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7)  $60 \div 12$

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8)  $825 - 9$

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9)  $6.4 + 0.04$

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10)  $6 \times 3 \times 2$

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1)  $12 \times 6$

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2)  $981 + 100$

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3)  $211 \times 4$

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4)  $9.2 + 0.7$

---

5)  $53 \times 3$

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6)  $1313 + 87$

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7)  $56 \div 8$

---

8)  $197 - 9$

---

9)  $6.5 + 0.05$

---

10)  $6 \times 2 \times 4$

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Session

8

Session

8

1)  $8 \times 12$

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2)  $909 + 100$

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3)  $401 \times 2$

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4)  $9.6 + 0.4$

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5)  $33 \times 7$

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6)  $1078 + 122$

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7)  $54 \div 6$

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8)  $4177 - 9$

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9)  $3.5 + 0.01$

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10)  $12 \times 3 \times 2$

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# My checklist for starting at MRC

I have.....



received and read my MRC Passport

completed the English work to the best of my ability ready to give to my English teacher

completed the science work to the best of my ability ready to give to my science teacher

completed the maths work to the best of my ability ready to give to my maths teacher

thought about the exciting things I am looking forward to at MRC. These will help my tutor to get to know me

thought about some things/questions that might be worrying me. These will help my tutor to get to know me

had a look at the MRC website and some of the key pieces of information on there

got my equipment ready in a pencil case (black pens, pencil, ruler, eraser, sharpener, compass, maths set, colour pencils, colour pens, glue stick)

brought my uniform and tried it all on (Blazer, skirt/trousers, shirt (and tie)/blouse, shoes, PE kit, school bag, PE kit bag)

a bottle that I can keep in my bag every day to refill with water

**To be returned to Midhurst Rother College  
on Monday 5 September**