


TRIAL AND IMPROVEMENT (CALCULATOR ALLOWED)

1. Find the multiple of 45 that is closest to 8000




Show your **method**.
You may get a mark.

2. Two whole numbers are each **between 50 and 70**

They multiply to make 4095

Write in the missing numbers.

 × = 4095

3. **7.4** **8.1** **9.4** **10**

Which two of these numbers, when multiplied together, have the answer closest to 70?

 and


4. *m* stands for a whole number greater than 10 and less than 20

n stands for a whole number greater than 2 and less than 10

What is the **smallest** number that *m* × *n* could be?



What is the **largest** number that *m* – *n* could be?




5. Write the **three prime numbers** which multiply to make **231**


$$\square \times \square \times \square = 231$$

6. The **same** number is missing from each box.

Write the **same** missing number in each box.


$$\square \times \square \times \square = 1331$$

7. The signs are missing from these number sentences.

Write in the missing signs, + - \times or \div

The first has been done for you.



$$6 \quad \bigcirc \times \quad 5 = 40 \quad \bigcirc - \quad 10$$

$$20 \quad \bigcirc \quad 8 = 4 \quad \bigcirc \quad 7$$

$$21 \quad \bigcirc \quad 3 = 15 \quad \bigcirc \quad 8$$