



UNITED KINGDOM MATHEMATICS TRUST

## **MAKE A NUMBER CHALLENGE**

- Time allowed: two minutes per question.
- You will be asked to make a target challenge number using some or all of six given numbers.
- You may use some or all of the given numbers to make the challenge number using any of the following symbols:  
 $( ) + - \times \div$
- You may use each symbol any number of times.
- You can only use each number once.
- You do not have to use all the numbers.
- *Three* marks are awarded if the challenge number is obtained within two minutes. An additional *one* bonus mark is awarded if the challenge number is obtained within one minute.
- Give your answer to your supervising teacher as soon as possible. If it is incorrect then try again! There is no penalty for second and subsequent attempts.

## Make a Number – Mark Sheet

**School Name:** \_\_\_\_\_

**School Number:** \_\_\_\_\_

*Three* marks are awarded if the challenge number is obtained within two minutes. An additional *one* bonus mark is awarded if the challenge number is obtained within one minute.

<b>Question</b>	<b>Marks</b>		<b>Bonus</b>	<b>Total</b>
<b>1.</b>	<b>3</b>	<b>0</b>	<b>1</b>	
<b>2.</b>	<b>3</b>	<b>0</b>	<b>1</b>	
<b>3.</b>	<b>3</b>	<b>0</b>	<b>1</b>	
<b>4.</b>	<b>3</b>	<b>0</b>	<b>1</b>	
<b>5.</b>	<b>3</b>	<b>0</b>	<b>1</b>	
<b>6.</b>	<b>3</b>	<b>0</b>	<b>1</b>	
<b>7.</b>	<b>3</b>	<b>0</b>	<b>1</b>	
<b>8.</b>	<b>3</b>	<b>0</b>	<b>1</b>	
<b>9.</b>	<b>3</b>	<b>0</b>	<b>1</b>	
<b>10.</b>	<b>3</b>	<b>0</b>	<b>1</b>	

**Total:**

## **Question 1**

**Use 1, 4, 4, 6, 6 and 75 to make 324**

**Answer:**

## **Question 2**

**Use 1, 2, 4, 6, 7 and 50 to make 405**

**Answer:**

## Question 3

Use 1, 2, 3, 3, 6 and 100 to make 154

**Answer:**

## **Question 4**

**Use 1, 4, 5, 8, 9 and 75 to make 760**

**Answer:**

## Question 5

Use 5, 6, 8, 8, 9 and 25 to make 426

**Answer:**

## **Question 6**

**Use 1, 2, 4, 6, 7 and 75 to make 441**

**Answer:**



## **Question 7**

**Use 1, 2, 3, 5, 7 and 25 to make 851**

**Answer:**

## Question 8

Use 2, 4, 5, 7, 8 and 25 to make 594

**Answer:**

## Question 9

Use 1, 2, 6, 7, 8 and 25 to make 483

**Answer:**

## **Question 10**

**Use 1, 5, 6, 6, 7 and 100 to make 521**

**Answer:**