Timestable Challenge x1

2 x ☐ = 16

2 = ☐ x 2

☐ x 2 = 6

2 x ☐ = 0

14 = ☐ x 2

☐ x 2 = 8

2 x ☐ = 22

2 x ☐ = 20

4 = ☐ x 2

🔴🔴🔴🔴🔴🔴 3 x ☐ = 6

☐ x 2 = 18

🔵🔵🔵🔵🔵🔵🔵🔵🔵🔵🔵🔵🔵🔵🔵🔵 ☐ = 2 x 8

☐ x 2 = 10

🔵🔵🔵🔵🔵🔵🔵🔵🔵🔵 ☐ x 5 = 10

☐ x 2 = 24

🔴🔴🔴🔴🔴🔴🔴🔴🔴🔴🔴🔴 12 = ☐ x ☐

12 = ☐ x 2

2 x ☐ = 9 x ☐

Here is a multiplication grid. Fill in the missing numbers.

x			11
2	12		
4		8	
	48		

Here is a number pyramid. The number in a box is the **product** of the two numbers below it. **Write the missing numbers:**

```
        [   ]
      [   ][ 12 ]
    [ 2 ][ 1 ][   ]
```

```
        [   ]
      [   ][   ]
    [ 18 ][ 2 ]
  [ 9 ][   ][   ]
```

Name…………………………

Date …………………………

SANDGATE PRIMARY SCHOOL

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.
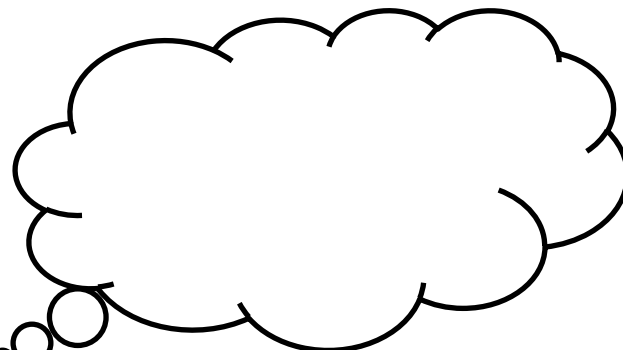
Total Score

Next week I need to focus on…

Parent's Signature …………………………

Child's Signature …………………………

Timestable Challenge x2

Name……………………

Date ……………………..

SANDGATE PRIMARY SCHOOL

If you know that **2 x 3 = 6**, you know that **2 x 6 =** ☐

If you know that **14 = 7 x 2**, you know that ☐ **= 14 x 2**

If you know that **10 = 5 x 2**, you know that ☐ **= 10 x 2**

If you know that **11 x 2 is equal to 22**, what is **22 x 2 equal to?** ☐

2 x 3 = 6	2 x 6 =	2 x 12 =	2 x 24 =
16 x 2 = 32	8 x 2 =	4 x 2 =	2 x 2 =

2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 2 x ☐

How many 2s are there in 18? ☐

2 + 2 + 2 + 2 + 2 + 2 = 2 x ☐

How many 2s are there in 24? ☐

Mike says,

'Every multiple of 2 ends in 2'

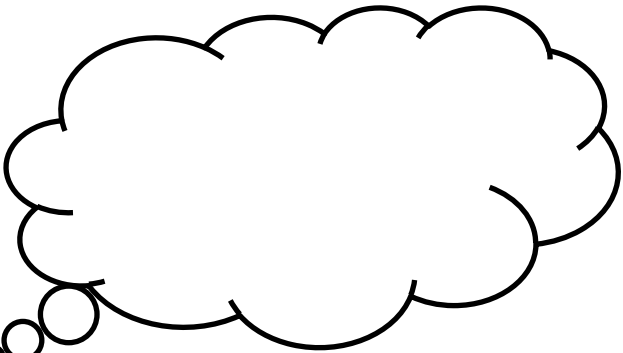Is Mike correct? YES/NO   **Explain** how you know:

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on…

Parent's Signature ……………………..
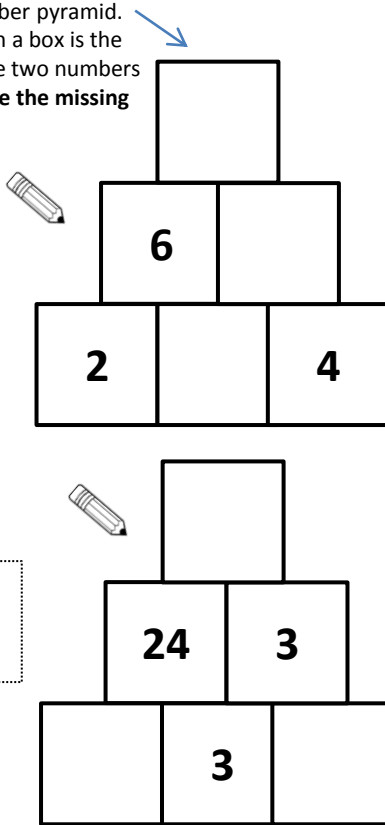
Child's Signature ……………………..

Timestable Challenge x 3

$3 \times \boxed{} = 9$

$3 = \boxed{} \times 3$

$\boxed{} \times 3 = 0$

$3 \times \boxed{} = 27$

$15 = \boxed{} \times 3$

$\boxed{} \times 3 = 24$

$3 \times \boxed{} = 36$

$3 \times \boxed{} = 30$

$12 = \boxed{} \times 3$

$3 \times \boxed{} = 6$

$\boxed{} \times 3 = 18$

$\boxed{} = 9 \times 3$

$\boxed{} \times 3 = 33$

$\boxed{} \times 7 = 21$

$\boxed{} \times 3 = 21$

$15 = \boxed{} \times \boxed{}$

$6 = \boxed{} \times 3$

$3 \times \boxed{} = 8 \times \boxed{}$

Here is a multiplication grid.
Fill in the missing numbers.

x	4	3	6
		9	
	8		12
5			

Here is a number pyramid. The number in a box is the **product** of the two numbers below it. **Write the missing numbers:**

Pyramid 1:
- Top: [ ]
- Middle: 6, [ ]
- Bottom: 2, [ ], 4

Pyramid 2:
- Top: [ ]
- Middle: 24, 3
- Bottom: [ ], 3, [ ]

Name………………………

Date …………………………
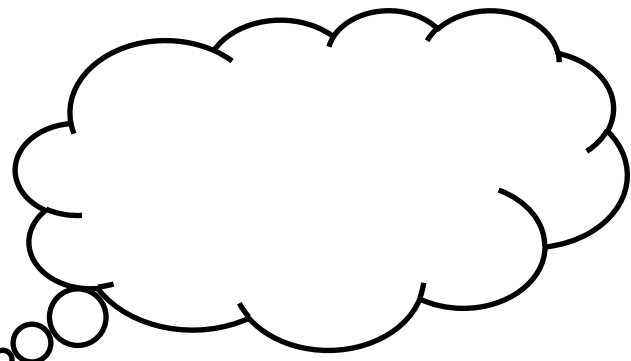
SANDGATE PRIMARY SCHOOL

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on…

Parent's Signature ………………………

Child's Signature …………………………

Timestable Challenge x 4

2 x 6	3 x
12 x 3	x 2
3 x 6	2 x
3 x 2	2 x
2 x 15	3 x
2 x 2	12 ÷
3 x 8	2 x
2 x 12	48 ÷

Name.............................

Date ....

Instructions
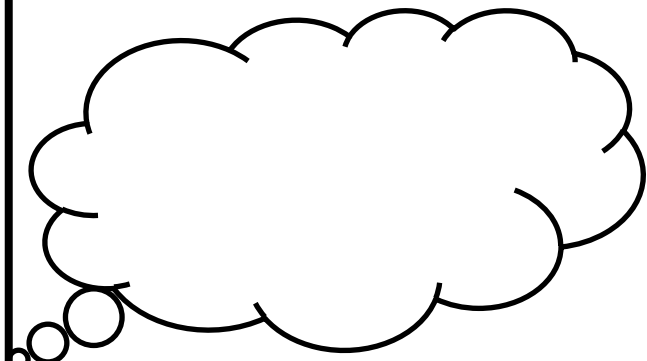You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on...

Parent's Signature ....

Child's Signature ....

Timestable Challenge x 4

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

4   x ☐ = 16

52 = ☐ x 4

☐ ÷ 4= 50

☐ x 4= 40

☐ ÷ 4= 20

☐ x 4= 80

48 = ☐ x 4

4 x ☐ = 12

36 ÷ ☐ = 4

☐ x 4= 8

☐ x 4= 24

☐ ÷ 4 = 7

44 = ☐ x 4

Here are some multiplication wheels. To complete them, multiply the number in the middle by numbers in the next circle:

Wheel 1 (center 4x): 3, 7, 4, 9, 12, 6, 11, 2

Wheel 2 (center 4x): 0, 8, 5, 3, 6, 9, 10, 7

If you know that **10 x 4= 40**, you know that **20 x 4=** ☐

If you know that **8 x 4= 32**, you know that **8 x 8=** ☐

If you know that **12 x 4= 48**, you know that **12 x 8=** ☐

If you know that **10 x 4= 40**, you know that **10 x 8=** ☐

Total Score

Next week I need to focus on…

Parent's Signature ………………………

Child's Signature …………………………

Timestable Challenge x 4

SANDGATE PRIMARY SCHOOL

4 x 7 = 28

Write 3 other facts that you can derive from the one above:
1. _____
2. _____
3. _____

36 = 4 x 9

Write 3 other facts that you can derive from the one above:
1. _____
2. _____
3. _____

48 ÷ 4 = 12

Write 3 other facts that you can derive from the one above:
1. _____
2. _____
3. _____

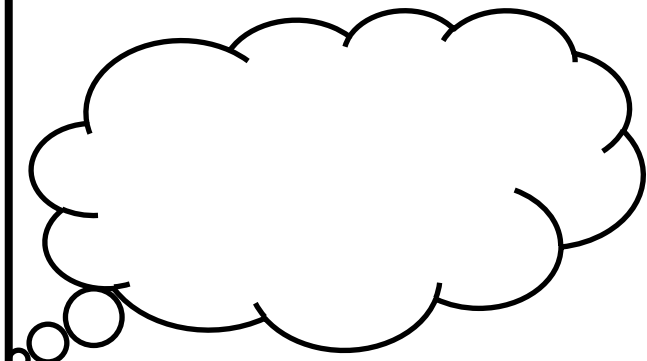**How many different factor pairs can you generate for the following number?**

48

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Here are some multiplication grids. Fill in the missing numbers:

x		7	
4			12
		56	
11	66		

x	8		3
			18
12		48	
	40		

Joseph says,

'Every multiple of 4 is also a multiple of 8'

Is Joseph correct? YES/NO   **Explain** how you know:

Next week I need to focus on…

Parent's Signature …………………………

Child's Signature …………………………

Timestable Challenge x 5

5 x ☐ = 20

5 x ☐ = 50

☐ x 5 = 0

45 = ☐ x 5

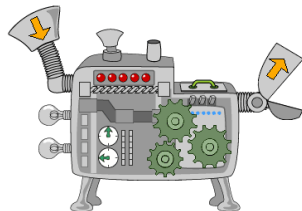5 x 20 = ☐

40 = ☐ x 5

☐ x 5 = 35

5 x ☐ = 20

5 x ☐ = 25
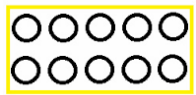
3 x 50 = ☐

☐ ÷ 5 = 2

Below is a number function machine. Can you fill in the gaps, using your knowledge of the 5 times tables? The first one is done for you.

3

7

9

☐

☐

☐

x5

15

☐

☐

40

55

100

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.
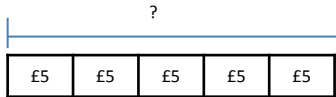
Total Score

Next week I need to focus on…

Parent's Signature ……………………….

Child's Signature ……………………….

Timestable Challenge x5

SANDGATE PRIMARY SCHOOL

Mrs Jones had 7 children. She wanted to give each one of them £5 to spend at the fair. How much money would Mrs Jones need?

?

| £5 | £5 | £5 | £5 | £5 |

If 5 x 9 = 45, what is 5 x 18? Explain how you worked it out:

What are five lots of 12?

What is 5 x 5 x 5?

What are the next two numbers in this sequence:
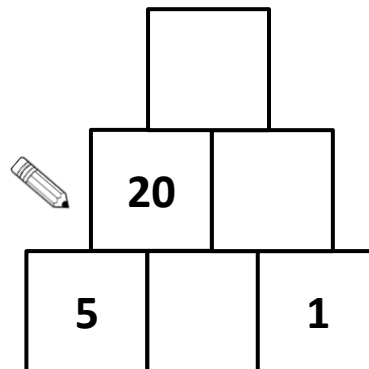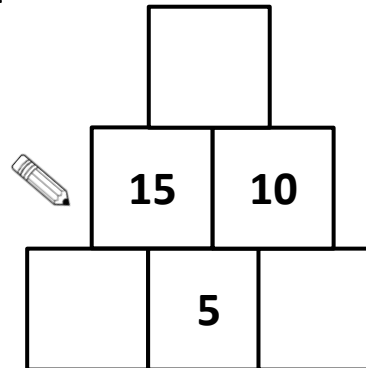**120   115   110   105**

How many fives are there in 35?

How many fives are there in 65?

Here is a number pyramid.
The number in a box is the **product** of the two numbers below it. **Write the missing numbers:**

| 15 | 10 |
| 5 | |

| 20 | |
| 5 | 1 |

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on…

Parent's Signature ………………………

Child's Signature …………………………

Timestable Challenge x6

6 x ☐ = 42

0 = ☐ x 6

☐ x 6 = 18

6 x ☐ = 60

30 = ☐ x 6

☐ x 6 = 30

6 x ☐ = 48

☐ = 6 x 4

12 = ☐ x 6

☐ x 6 = 54
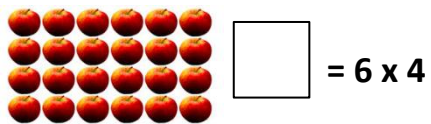
What division fact does this array show:

☐

☐ x 6 = 72

☐ x 6 = 36

2 x ☐ = 6 x ☐

6 x ☐ = 4 x ☐

24 = ☐ x 6

Here are some multiplication triangles. Fill in the gaps

42

÷ ÷

6 x ☐

☐

÷ ÷

13 x 6

Here is a number pyramid. The number in a box is the **product** of the two numbers below it. **Write the missing numbers:**

☐

18 | 12

6

Timestable Challenge x6

SANDGATE PRIMARY SCHOOL
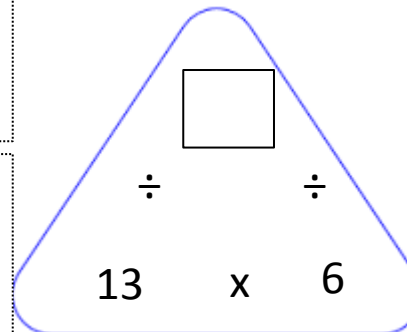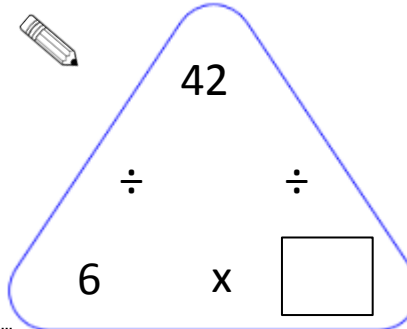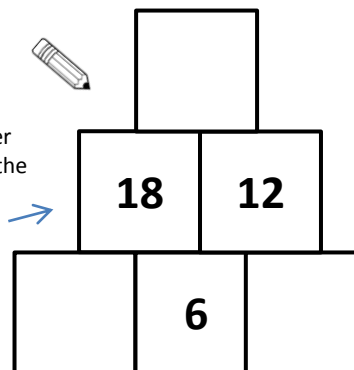
If you know that **2 x 6 = 12**, you know that **2 x 18** = ☐

If you know that **24 = 6 x 4**, you know that ☐ **= 12x 4**

How many 6s are there in 54? ☐

If you know that **10 x 6 is equal to 60**, what is **20 x 6 equal to?** ☐

How many 6s are there in 24? ☐

6 + 6 + 6 + 6 + 6 + 6 + 6 = 6 x ☐
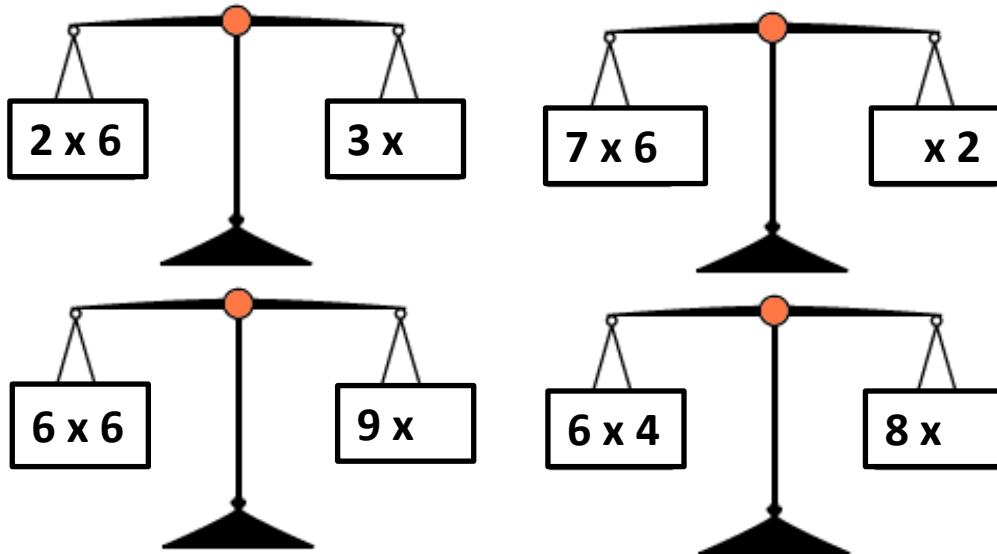
6 x 2 = 12	6 x 4 =	6 x 8 =	6 x 16=

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on…

Parent's Signature ………………………

Child's Signature …………………………

2 x 6   3 x

7 x 6   x 2

6 x 6   9 x

6 x 4   8 x

Timestable Challenge x 7

$7 \times \boxed{} = 42$

$49 \div 7 = \boxed{}$

$\boxed{} \times 7 = 63$

$28 \div \boxed{} = 7$

$84 = \boxed{} \times 7$

$\boxed{} \div 7 = 3$

$7 \times \boxed{} = 56$

$63 \div 7 = \boxed{}$

$77 = \boxed{} \times 7$

$\boxed{} \div 7 = 5$

28 = 7x 4

Write 3 other facts that you can derive from the one above:
1. _____
2. _____
3. _____

56 ÷ 7= 6

Write 3 other facts that you can derive from the one above:
1. _____
2. _____
3. _____

Circle all the multiples of 7 below:

| 13 | 21 | 32 | 35 | 58 | 63 | 74 |

| 84 | 96 | 103 | 140 |

Mrs Cooper had 67 pencils to sort into boxes of 7. How many boxes will she be able to fill? $\boxed{}$

What are seven lots of 16? Explain how you worked it out:

Here is a multiplication grid. Fill in the missing numbers.

x		5	
12			84
8	56		
		45	

Name..........................

Date ....

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on…

Parent's Signature ....

Child's Signature ....

Timestable Challenge x 7

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

✏️

True or false:

$63 \div 7 = 64 \div 8$

Explain how you know:
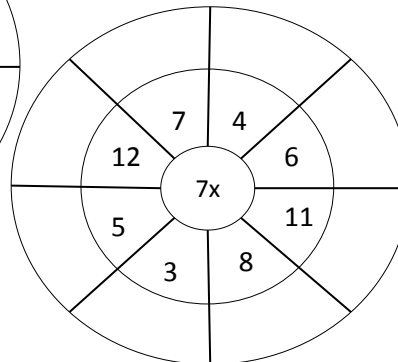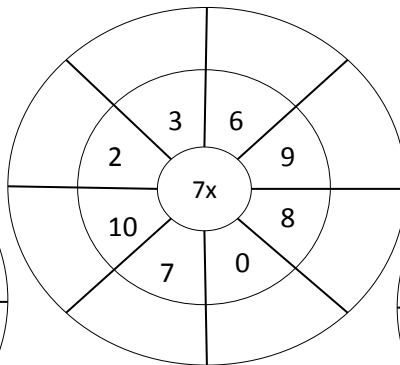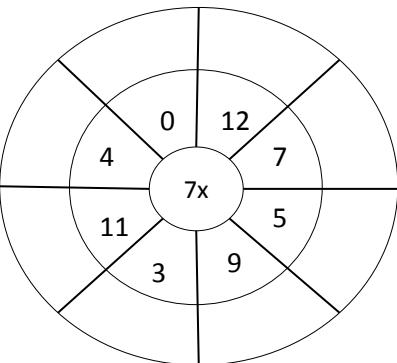
True or false:

$7 \times 7 + 6 = 11 \times 5$

Explain how you know:

Paul says,

'If the digits in a two digit number can add up to be equal to 7, the number is a multiple of 7.'

Is Paul 's statement always, sometimes or never correct? **Explain** how you know:

Total Score

Here are some multiplication wheels. To complete them, multiply the number in the middle by numbers in the next circle:

✏️

Wheel 1 (centre 7x): 0, 12, 7, 5, 9, 3, 11, 4

Wheel 2 (centre 7x): 3, 6, 9, 8, 0, 7, 10, 2

Wheel 3 (centre 7x): 7, 4, 6, 11, 8, 3, 5, 12

Next week I need to focus on…

Parent's Signature ………………………

Child's Signature …………………………

Timestable Challenge x 8

8 x ☐ = 16

72 ÷ 8 = ☐

8 x ☐ = 88

24 ÷ 8 = ☐

☐ x 8 = 48

56 ÷ ☐ = 8

32 = ☐ x 8

☐ ÷ 8 = 5

What multiplication fact does this array show?

☐

Here are some multiplication triangles. Fill in the gaps

What is 8 x 8? ☐

What is the next number in this sequence:
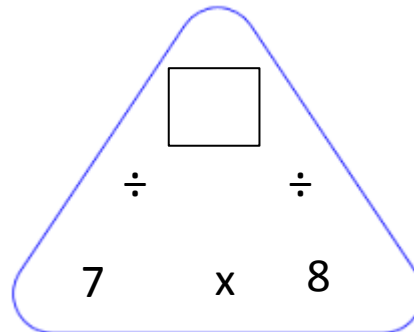**32   40   48   56   64** ☐
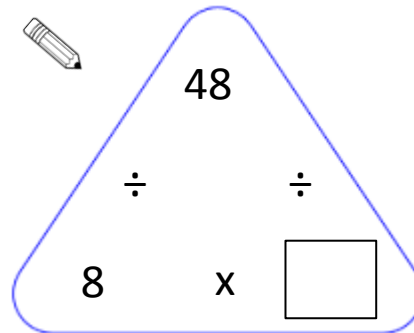
How many eights are there in 24? ☐

How many eights are there in 88? ☐

How many eights are there in 64? ☐

How many eights are there in 104? ☐

48
÷   ÷
8   x   ☐

☐
÷   ÷
7   x   8

Name………………………

Date ………………………..

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on…

Parent's Signature ………………………

Child's Signature …………………………

Timestable Challenge x8

Draw a line to match the corresponding maths facts:
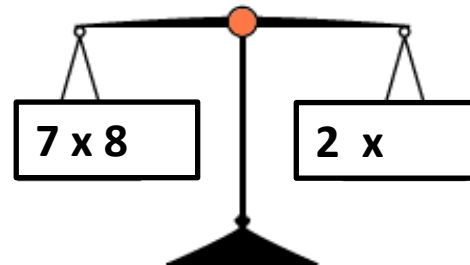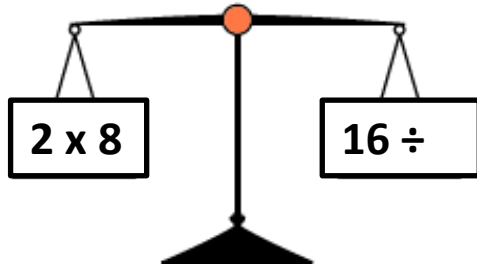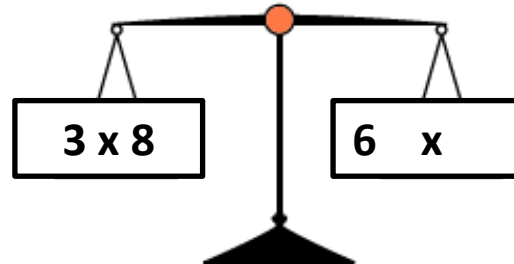

8 + 8 + 8 + 8

9 + 9 + 9

6 + 6 + 6 + 6

27

32

24

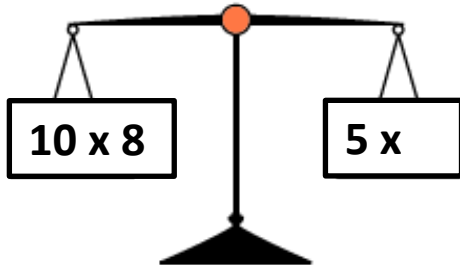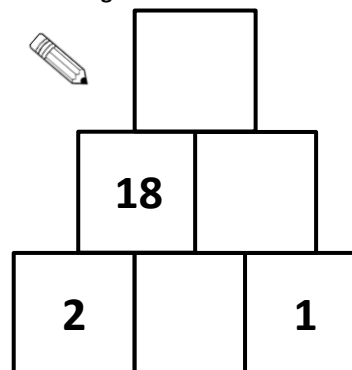88 = ☐ x 8

8 x ☐ = 48

64 ÷ ☐ = 8

☐ x 8 = 32

☐ x 8 = 96

Name………………………

Date ……………………….

SANDGATE PRIMARY SCHOOL

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

10 x 8	5 x
3 x 8	6 x
2 x 8	16 ÷
7 x 8	2 x

Next week I need to focus on…

Parent's Signature ………………………

Child's Signature …………………………

Timestable Challenge x9

9 x [ ] = 54

72 ÷ 9 = [ ]

[ ] x 9 = 27

54 ÷ [ ] = 9

63 = [ ] x 9

[ ] ÷ 9 = 7

9 x [ ] = 81

108 ÷ 9 = [ ]

108 = [ ] x 9

9 ÷ [ ] = 0

[ ] x 9 = 36

[ ] ÷ 9 = 90

[ ] = 9 x 3

Below, draw an array to show what 5 x 9 =

Here is a multiplication grid.
Fill in the missing numbers.

x		8	
3			21
9	81		
		32	

x	11		7
			28
12		96	
	99		

Here is a number pyramid.
The number in a box is the **product** of the two numbers below it. **Write the missing numbers:**

```
        [   ]
     [   ][   ]
      18
  [ 2 ][   ][ 1 ]
```
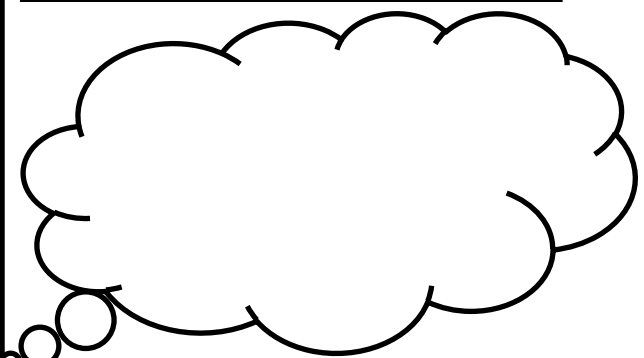
Name………………………..

Date ………………………..

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on…

Parent's Signature ……………………..

Child's Signature ……………………..

Timestable Challenge x9

On the grid below, highlight all of the multiples of 9.

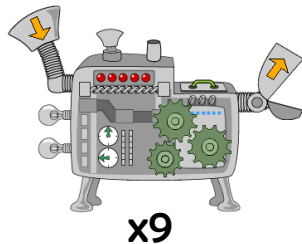| 1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

What patterns can you notice in the multiples of 9? Describe these below, using mathematical vocabulary where possible:

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Below is a number function machine. Can you fill in the gaps, using your knowledge of the 9 times tables? The first one is done for you.

4 → 36

7 →

12 →

→ 72

→ 27

→ 108

x9

Next week I need to focus on…

Parent's Signature ………………………

Child's Signature …………………………

Timestable Challenge x10

3 x ☐ = 30

20 = ☐ x 10

☐ ÷ 10 = 5

☐ x 10 = 110

☐ ÷ 7 = 10

☐ x 10 = 160

60 = ☐ x 10

10 x ☐ = 60

90 ÷ ☐ = 9

☐ x 10 = 40

☐ x 10 = 120

☐ ÷ 10 = 10

90 = ☐ x 10

Here are some multiplication wheels. To complete them, multiply the number in the middle by numbers in the next circle:

Wheel 1 (centre: 10 x), outer numbers: 0, 12, 7, 5, 9, 3, 11, 4

Wheel 2 (centre: 10 x), outer numbers: 0, 12, 7, 5, 9, 3, 11, 4
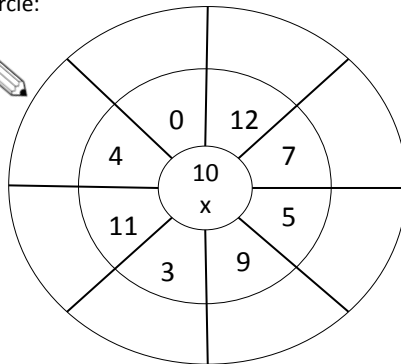
If you know that **4 x 10 = 40**, you know that **4 x 20 =** ☐

If you know that **8 x 10 = 80**, you know that **8 x 20 =** ☐

If you know that **12 x 10 = 120**, you know that **12 x 40 =** ☐

If you know that **3 x 10 = 30**, you know that **3 x 20 =** ☐

Name…………………………

Date …………………………

SANDGATE PRIMARY SCHOOL

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on…

Parent's Signature …………………………
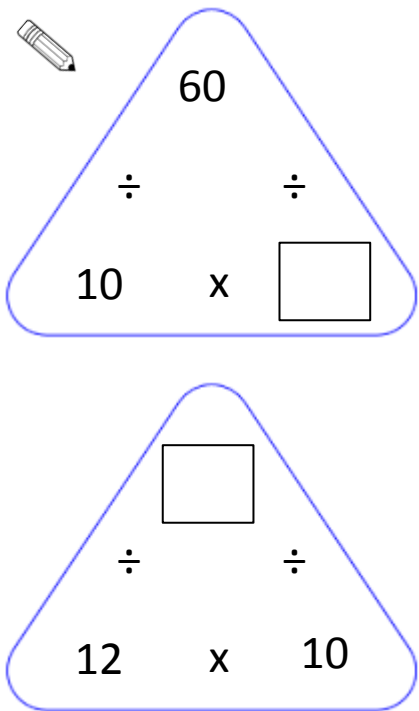
Child's Signature …………………………

Timestable Challenge x10

Gavin says,

'If I need to multiply a number by 100, I can multiply it by 10 and then multiply my answer by 10 again.'

Is Gavin right?
Explain how you know:

How many tens are there in 100? ☐

What is 10 x 10 x 10? ☐

What is the next number in this sequence:
600   60   6   0.6 ☐

How many tens are there in 40? ☐

How many tens are there in 300? ☐

How many tens are there in 190? ☐

How many tens are there in 8,600? ☐

Here are some multiplication triangles. Fill in the gaps

60
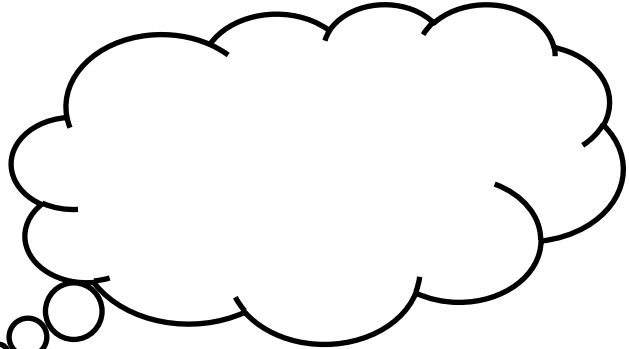÷   ÷
10   x   ☐

☐
÷   ÷
12   x   10

Name………………………

Date ……………………….

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on…

Parent's Signature ………………………

Child's Signature …………………………

Timestable Challenge x11

3 x [ ] = 33

0 = [ ] x 11

11 x [ ] = 143

[ ] x 11 = 121

11 x [ ] = 66

[ ] x 11 = 33

66 = [ ] x 11

11 x [ ] = 132

99 ÷ [ ] = 9

[ ] x 7 = 77

[ ] x 11 = 110

[ ] ÷ 11 = 12

99 = [ ] x 11

---

8 x 11 = 88

Write 3 other facts that you can derive from the one above:
1. _____
2. _____
3. _____

110 = 11 x 10

Write 3 other facts that you can derive from the one above:
1. _____
2. _____
3. _____

44 ÷ 4 = 11

Write 3 other facts that you can derive from the one above:
1. _____
2. _____
3. _____

Here are some multiplication grids. Fill in the missing numbers:

x	12		4
			36
8		48	
			44

x		11	
9			81
		132	
7	21		

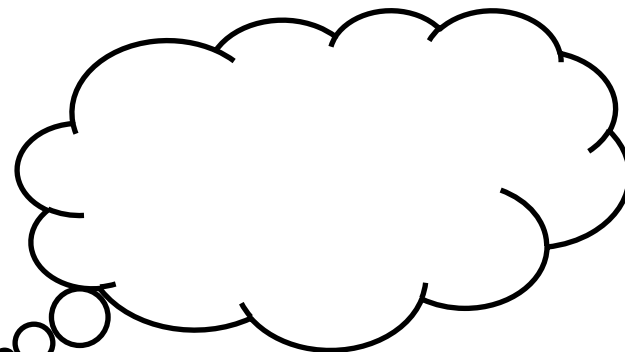Name…………………………

Date …………………………

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score

Next week I need to focus on…

Parent's Signature …………………………

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SANDGATE PRIMARY SCHOOL

Timestable Challenge x11

If you know that **7 x 11 = 77**, you know that **77 ÷** ☐ **= 11**

If you know that **11 x 4 is equal to 44**, what is **22x 2 equal to?** ☐

Fill in the answers:

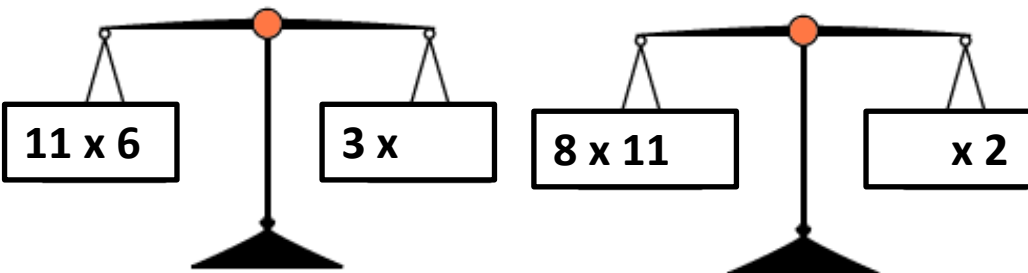| 11 x 2 = 22	11 x 4 =	11 x 8 =	11 x 16=
121 ÷ 11 =	99 ÷ 11 =	11 ÷ 11 =	110 ÷ 11 =

Harriet says,

'I think of a number and multiply it by 11. My answer is 86.'

Is Harriet correct?   **Explain** how you know:

11 x 6   3 x   8 x 11   x 2

Total Score

Next week I need to focus on...

Parent's Signature ....

Child's Signature ....

Timestable Challenge x12

12 x ☐ = 72

☐ x 12 = 120

96 = ☐ x 12

12 x ☐ = 36

84 = ☐ x 12

☐ x 12 = 120

☐ x 12 = 24

☐ x 12 = 60

144 = ☐ x 12

0 = ☐ x 12

12 x ☐ = 48

☐ x 12 = 132

12 X ☐ = 96

12 x ☐ = 108

☐ = 12 x 5

☐ x 12 = 36

12 x ☐ = 7 x ☐

96 ÷ ☐ = 12

Here is a multiplication grid. Fill in the missing numbers.

x	7		9
12		132	
	42		54
		33	

Here is a number pyramid. The number in a box is the **product** of the two numbers below it. **Write the missing numbers:**

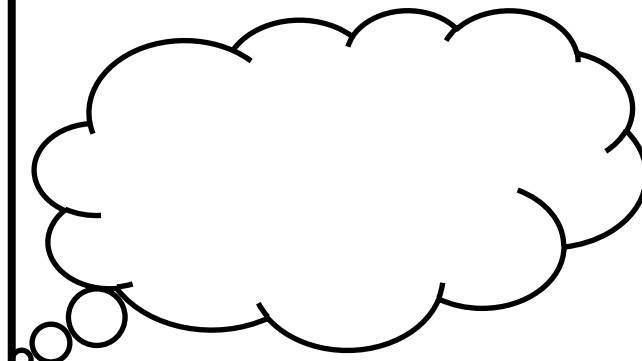| 72	0
	12

36	
3	1
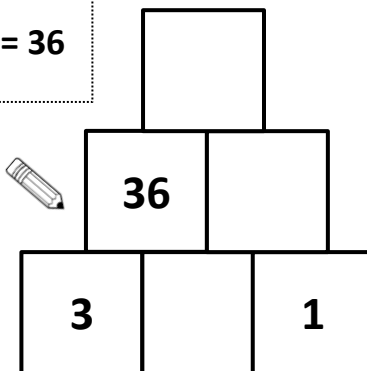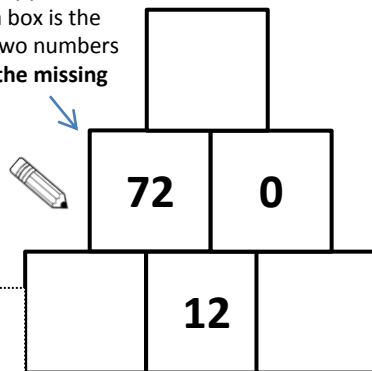
Timestable Challenge x12

Here are some multiplication wheels. To complete them, multiply the number in the middle by numbers in the next circle:

Wheel 1 (centre: 12 x), outer numbers: 7, 4, 9, 11, 8, 6, 5, 12

Wheel 2 (centre: 12 x), outer numbers: 3, 6, 1, 8, 0, 7, 10, 2

Wheel 3 (centre: 12 x), outer numbers: 0, 12, 7, 5, 9, 3, 11, 4

Louise says,

'If I double the answer to 3 x 12, I will get the answer to 6 x 12.'

Is Louise correct? YES/NO **Explain** how you know:

Here are some multiplication triangles. Fill in the gaps

Triangle 1: 84, ÷ ÷, 12   x   ☐

Triangle 2: ☐, ÷ ÷, 12   x   11

12 x 12 = ☐

108 ÷ ☐ = 12

Instructions
You have 3 minutes to complete the challenge. You **must** start at the top and work down.

Total Score
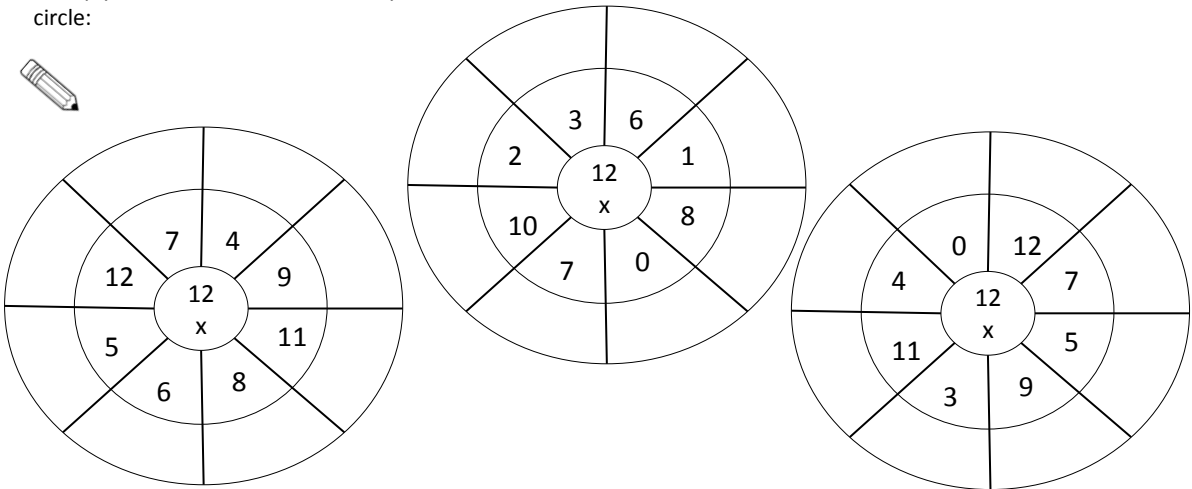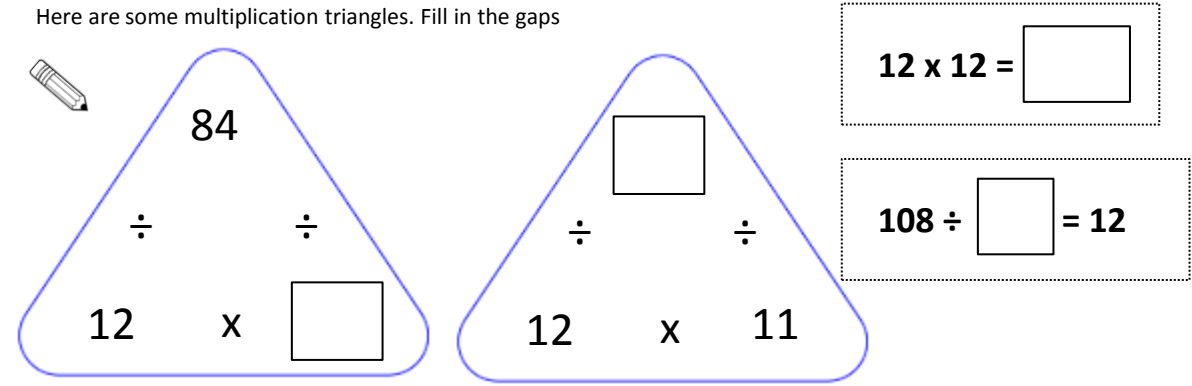
Next week I need to focus on…

Parent's Signature ………………………

Child's Signature …………………………