

# Yr 4 Maths Activity Answers

Below are the answers to any Maths activities which have right or wrong answers.

## Day 1

### Place Value (Part 1)

#### Roman Numerals

##### Activity 1

- 1 = I
- 2 = II
- 3 = III
- 4 = IV
- 5 = V
- 6 = VI
- 7 = VII
- 8 = VIII
- 9 = IX
- 10 = X

##### Activity 2

- a)  $26 = 10 + 10 + 5 + 1 = XXVI$
- b)  $17 = 10 + 5 + 1 + 1 = XVII$
- c)  $29 = 10 + 10 + (10 - 1) = XXIX$
- d)  $30 = 10 + 10 + 10 = XXX$

##### Activity 3

- a) XV
- b) XXI
- c) XXIV
- d) XXXIII
- e) XXXV
- f) XLIV
- g) XLIV
- h) L

##### Activity 4

- a) LXX
- b) LXXX
- c) LXXXIII
- d) LXXXIX
- e) XC
- f) C

#### Digit Values

- a) 8906, 2106, 8296
- b) 7653, 7855, 9058, 1251
- c) 3379, 1393, 9389
- d) 7293, 7789
- e) 6451, 7751, 7631, 8911
- f) 1280, 1189, 7381
- g) 1787, 3703, 3799, 7770
- h) 1287, 1920, 1123

## Day 2

### Place Value (Part 2)

#### Counting in 1000s

##### Activity 1

- a) 4,000, 6,000
- b) 7,000, ,5000
- c) 4,000, 8,000
- d) 9,000, 10,000
- e) 7,000, 10,000

##### Activity 2

- a) 4,013, 6013
- b) 8,472, 6,472
- c) 4,706, 6,472
- d) 11,293, 10,293
- e) 7,038, 10,038

#### Rounding to the nearest 10

##### Activity 1

- a) 40
- b) 70
- c) 30
- d) 90
- e) 10
- f) 60
- g) 100
- h) 180
- i) 110
- j) 370
- k) 900
- l) 1880
- m) 2690
- n) 8000

##### Activity 2

- Row a) 40 100 1980
- Row b) 80 120 5620
- Row c) 20 180 9010
- Row d) 0 300 8000
- Row e) 90 370 6000
- Row f) 30 780 5790

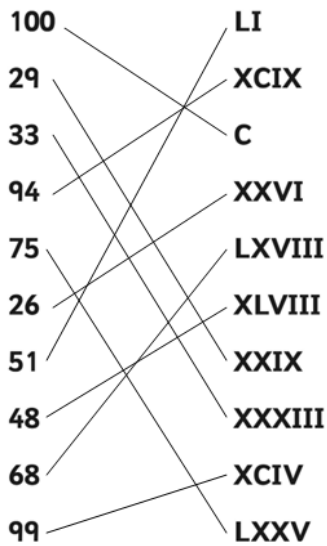
##### Activity 3

- Row a) 260km
- Row b) 140km
- Row c) 110 km
- Row d) 500km
- Row e) 340km
- Row f) 140km
- Row g) 530km
- Row h) 220km
- Row i) 530km

# Day 3

## Place Value (Part 3)

### Roman Numerals



## Rounding to the nearest 100

### Activity 1

- a) 200
- b) 800
- c) 200
- d) 500
- e) 500
- f) 1000
- g) 400
- h) 600
- i) 1300
- j) 2000
- k) 4000
- l) 4800
- m) 12 500
- n) 34 800

### Activity 2

Row a) 300	100	3000
Row b) 800	600	4800
Row c) 200	900	8400
Row d) 0	900	9600
Row e) 700	1800	12 800
Row f) 400	2400	34 600

### Activity 3

- Row a) 300km
- Row b) 800km
- Row c) 800km
- Row d) 1100km
- Row e) 1100km
- Row f) 1400km
- Row g) 1800km
- Row h) 2600km
- Row i) 2800km

# Day 4

## Place Value (Part 4)

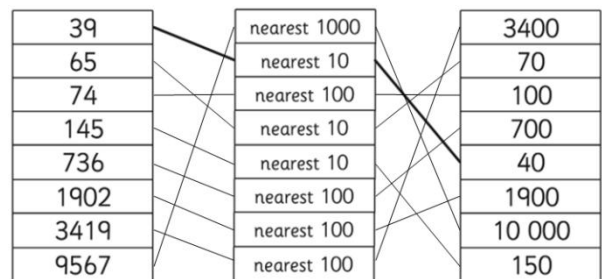
### Digit Values

- 1) 256
- 2) 829
- 3) 3951

### Rounding

#### Activity 1

Possible answer



### Activity 2

- a) 190 200
- b) 1570
- c) 180 or 200
- d) 500
- e) 2200 or 2400

# Day 5

## Addition

### Column Addition

#### Activity 1

1 Silver & White

$$£5892 + £3145 = \mathbf{£9037}$$

2 Black & Silver

$$£3532 + £5892 = \mathbf{£9424}$$

3 Black & Grey

$$£3532 + £4132 = \mathbf{£7664}$$

4 Grey & White

$$£4132 + £3145 = \mathbf{£7277}$$

5 White & Blue

$$£3145 + £2814 = \mathbf{£5959}$$

6 Grey & Blue

$$£4132 + £2814 = \mathbf{£6946}$$

7 Silver & Red

$$£5892 + £3625 = \mathbf{£9517}$$

8 Black & Blue

$$£3532 + £2814 = \mathbf{£6346}$$

9 Blue & Silver

$$£2814 + £5892 = \mathbf{£8706}$$

Mr and Mrs Vroom have a budget of £7000.

Which combinations of cars could they afford to buy?

**White and Blue, Grey and Blue or Black and Blue**

#### Activity 2

$$\begin{array}{r} 1 \ 3 \ \star 8 \\ + 3 \ 6 \ 2 \ 3 \\ \hline 4 \ 9 \ 5 \ 1 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 6 \ 5 \ 1 \ 8 \\ + \star 2 \ 2 \ 7 \ 4 \\ \hline 8 \ 7 \ 9 \ 2 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 3 \ 7 \ 2 \ \star 8 \\ + 2 \ \star 4 \ 5 \ 1 \\ \hline 6 \ 1 \ 7 \ 9 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 7 \ 2 \ \star 6 \\ + \star 4 \ 8 \ 1 \\ \hline 9 \ 7 \ 1 \ \star 7 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 2 \ 8 \ 6 \ \star 4 \\ + 5 \ \star 4 \ 8 \\ \hline 3 \ 4 \ 1 \ 2 \\ \hline 1 \ 1 \ 1 \end{array}$$

$$\begin{array}{r} 5 \ \star 1 \ 8 \\ + 4 \ 2 \ 8 \ 1 \\ \hline 9 \ 4 \ 9 \ \star 9 \\ \hline 1 \end{array}$$

$$\begin{array}{r} \star 5 \ 2 \ 6 \ 7 \\ + 3 \ 2 \ \star 5 \\ \hline 8 \ 5 \ 0 \ 2 \\ \hline 1 \ 1 \end{array}$$

$$\begin{array}{r} 3 \ 8 \ 2 \ \star 7 \\ + 4 \ \star 4 \ 3 \ 1 \\ \hline 8 \ 2 \ 5 \ 8 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 2 \ 7 \ 4 \ \star 5 \\ + 3 \ \star 6 \ 2 \ 3 \\ \hline 6 \ 3 \ 6 \ 8 \\ \hline 1 \end{array}$$

# Day 6

## Subtraction

### Column Subtraction

### Using the inverse

Transport Type	Remaining Distance
Aeroplane	1330 miles
Bus	4222 miles
Truck	3214 miles
Car	1436 miles
Train	438 miles
Helicopter	1408km
Hot Air Balloon	2823km
Ship	2408km
Submarine	3811 miles

2  $3824 - 2352 = 1532$

**incorrect**

3  $4934 - 2842 = 2092$

**correct**

4  $5319 + 2543 = 7862$

**correct**

5  $2546 + 2664 = 5211$

**incorrect**

6  $8643 - 2357 = 6286$

**correct**

# Day 7

## Multiplication and Division

### Multiplying by 1 and 0 and dividing by 1

#### Activity 1

1	12	10	31
2	82	11	0
3	0	12	0
4	25	13	50
5	342	14	50
6	212	15	3983
7	0	16	26
8	1	17	1
9	0	18	0

#### Activity 2

1	$72 \div 1 = 72$
2	$79 \times 1 = 79$
3	$65 \times 0 = 0$

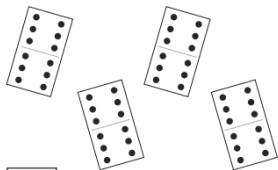

#### Activity 3

Beginning Number	+1	$\times 1$	$\times 0$	+1	Ending Number
32	32	32	0	0	0

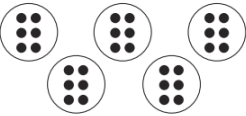
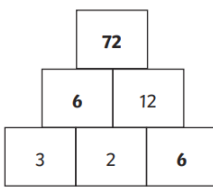
Beginning Number	+1	$\times 1$	$\times 1$	$\times 0$	Ending Number
1	1	1	1	0	0

Beginning Number	$\times 1$	+1	$\times 1$	+1	Ending Number
10 000	10 000	10 000	10 000	10 000	10 000

## Multiplying and dividing by 6

6 Times Table Maths Mastery Mat Answers										
<p>How many spots are there altogether?</p>  <p>48</p>	<p>If you need 6 lolly sticks to make one hexagon, how many hexagons can you make with 24 lolly sticks?</p> <p>4 hexagons</p>	<p>Create a fact family using 9, 54 and 6.</p> $9 \times 6 = 54$ $6 \times 9 = 54$ $54 \div 6 = 9$ $54 \div 9 = 6$								
<p>Complete the table.</p> <p>60 minutes = 1 hour</p> <table border="1"> <thead> <tr> <th>Minutes</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>2</td> </tr> <tr> <td>600</td> <td>10</td> </tr> <tr> <td>420</td> <td>7</td> </tr> </tbody> </table>	Minutes	Hours	120	2	600	10	420	7	<p>Do you agree or disagree?</p> <p>Explain your answer.</p> <p>Agree because if you double 3, you get 6 so if you double the answer to a 3 times table fact, it will give the answer to the same fact from the 6 times table.</p> <p>For example, <math>5 \times 3 = 15</math> so <math>5 \times 6 = 30</math>.</p> <p>Double 15 equals 30.</p>	<p>Draw an array to match this calculation.</p> $6 \times 6 = 36$ 
Minutes	Hours									
120	2									
600	10									
420	7									

## 6 Times Table Maths Mastery Mat **Answers**

<p>In January, the average temperature in London is 8°C.</p> <p>In Dubai, the temperature is 6 times warmer.</p> <p>What is the average temperature in Dubai in January?</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">48°C</div>	<p>Explain why the statement above is possible.</p> <p><b>It is possible as you can use the 6 times table fact of <math>8 \times 6 = 48</math> and scale the 8 and 6 up by 10. Therefore, the new answer will be 100 times the size of the original answer.</b></p>	<p>Draw a model to represent this sentence.</p> <p>There are 5 equal groups of 6.</p> <div style="text-align: center;">  </div> <p>There are <span style="border: 1px solid black; padding: 2px 5px;">30</span> altogether.</p>
<p>Fill in the numbers in the missing boxes.</p> <p style="text-align: center;"><math>54 \div \boxed{6} = 9</math></p> <p style="text-align: center;"><math>\boxed{3} \times 6 = 18</math></p> <p style="text-align: center;"><math>\boxed{72} = 12 \times 6</math></p>	<p>A chicken lays 6 eggs a day.</p> <p>How many eggs does it lay in a week?</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">42 eggs</div>	<p>Complete the multiplication pyramid.</p> <div style="text-align: center;">  </div>

## Day 8

### Measures and Geometry Perimeter

- |   |   |  |
|---|---|--|
| <p><b>1. Side 1 = 9cm</b><br/><b>Perimeter = 36cm</b></p> | <p><b>5. Side 1 = 9cm</b><br/><b>Side 2 = 7cm</b><br/><b>Perimeter = 32cm</b></p> | <p><b>8. Side 1 = 7cm</b><br/><b>Side 2 = 5cm</b><br/><b>Perimeter = 24cm</b></p>  |
| <p><b>2. Side 1 = 1cm</b><br/><b>Perimeter = 4cm</b></p>  | <p><b>6. Side 1 = 4cm</b><br/><b>Side 2 = 3cm</b><br/><b>Perimeter = 14cm</b></p> | <p><b>9. Side 1 = 1cm</b><br/><b>Side 2 = 6cm</b><br/><b>Perimeter = 14cm</b></p>  |
| <p><b>3. Side 1 = 3cm</b><br/><b>Perimeter = 12cm</b></p> | <p><b>7. Side 1 = 9cm</b><br/><b>Side 2 = 3cm</b><br/><b>Perimeter = 24cm</b></p> | <p><b>10. Side 1 = 7cm</b><br/><b>Side 2 = 2cm</b><br/><b>Perimeter = 18cm</b></p> |
| <p><b>4. Side 1 = 6cm</b><br/><b>Perimeter = 24cm</b></p> |   |  |

### Co-ordinates and translation Activity 1



Activity 2  
(7, 6) and (7, 2)

Activity 3  
(7, 7)

Activity 4  
(5, 3) or  
It could also be (5, 6) (5, 5) (5, 4) (5, 2) (5, 1)