



**BROAD HORIZON**  
— TUITION CENTRE —

# 11+ Tuition

Year 4

## Progress Test 1

# Answers

**Total:** \_\_\_\_\_ **/122** \_\_\_\_\_ **%**

**Pass mark is 65% 80/122**

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## Overview of Your Scores

		%
x/÷ by 10 and 100	/ 10 marks	
Multiplication	/ 6 marks	
Short Division	/ 6 marks	
Rounding	/ 20 marks	
BIDMAS	/ 5 marks	

Maths Total	/ 47 marks	
Comprehension	/ 10 marks	
Verbal Techniques	/ 13 marks	
Non-Verbal	/12 marks	
Vocabulary	/ 40 marks	
<b>TOTAL =</b>	<b>/ 122</b>	

## Maths Section

### Multiplying and Dividing Numbers by 10 and 100

1) **0.46**

2) **1.5**

3) **3.48**

4) **1.7**

5) **0.02**

6) **1500**

7) **2450**

8) **6300**

9) **0.5**

10) **10**

### Column Multiplication

1)						2)					3)					
	2	3	4				6	7	8			3	7	6	0	
x			5			x			9		x				8	
<b>1</b>	<b>1</b>	<b>7</b>	<b>0</b>			<b>6</b>	<b>1</b>	<b>0</b>	<b>2</b>		<b>3</b>	<b>0,</b>	<b>0</b>	<b>8</b>	<b>0</b>	
4)						5)					6)					
		8	6	1				7	5	2			2	3	6	5
x			4	3		x			6	8	x			3	4	
<b>3</b>	<b>7,</b>	<b>0</b>	<b>2</b>	<b>3</b>		<b>5</b>	<b>1,</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>8</b>	<b>0,</b>	<b>4</b>	<b>1</b>	<b>0</b>	

**Division – Bus Stop Method**

1)						2)						3)				
		<b>6</b>	<b>8</b>					<b>3</b>	<b>2</b>	<b>4</b>				<b>2</b>	<b>1</b>	<b>4</b>
<b>3</b>	<b>2</b>	<b>0</b>	<b>4</b>			<b>4</b>	<b>1</b>	<b>2</b>	<b>9</b>	<b>6</b>		<b>5</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>0</b>
4)						5)						6)				
		<b>1</b>	<b>3</b>	<b>0</b>	<b>6</b>			<b>4</b>	<b>7</b>	<b>3</b>			<b>1</b>	<b>2</b>	<b>3</b>	<b>7</b>
<b>6</b>	<b>7</b>	<b>8</b>	<b>3</b>	<b>6</b>		<b>9</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>7</b>		<b>7</b>	<b>8</b>	<b>6</b>	<b>5</b>	<b>9</b>

**Rounding**

Round the following numbers to the nearest <b>10</b>		
1)	<b>13</b>	<b>10</b>
2)	<b>18</b>	<b>20</b>
3)	<b>134</b>	<b>130</b>
4)	<b>372</b>	<b>370</b>
5)	<b>5253</b>	<b>5250</b>

Round the following numbers to the nearest <b>100</b>		
6)	<b>145</b>	<b>100</b>
7)	<b>181</b>	<b>200</b>
8)	<b>350</b>	<b>400</b>
9)	<b>1054</b>	<b>1100</b>
10)	<b>8728</b>	<b>8700</b>

Round the following numbers to the nearest <b>1000</b>		
11)	<b>1978</b>	<b>2000</b>
12)	<b>6500</b>	<b>7000</b>
13)	<b>13,483</b>	<b>13,000</b>
14)	<b>123,436</b>	<b>123,000</b>
15)	<b>999,501</b>	<b>1,000,000</b>

Round the following numbers to <b>1 decimal place</b>		
16)	<b>5.03</b>	<b>5.0</b>
17)	<b>7.55</b>	<b>7.6</b>
18)	<b>12.09</b>	<b>12.1</b>
19)	<b>44.347</b>	<b>44.3</b>
20)	<b>49.253</b>	<b>49.2</b>

**BIDMAS – Order of Operations**

1)  $(13 + 35) \div (-3 + 5)$

**24**

2)  $(13 - 5) + 12 \div 2$

**14**

3)  $(13 + 2) + 18 \div 2$

**24**

4)  $(10 + 43 - 5) \div 24$

**2**

5)  $(12 + 2) \times 14 - 5$

**191**

## Comprehension

### Answers with Line References

- 1) D — Wyefield Activity Centre (line 1)
- 2) A — Sharon, Jane, Susie, and Beth (lines 2–4)
- 3) C — Going to the mining museum (line 6)
- 4) B — Dark and spooky (line 7)
- 5) B — They just went round in circles (line 11)
- 6) A — Susie and Beth (line 13)
- 7) B — Watched a DVD (line 14)
- 8) B — The leisure centre (line 21)
- 9) C — The rain (line 34)
- 10) D — Wellies and macs (line 35)

## Verbal Reasoning

### GL Techniques

#### Type 1:

- 1) **books school**
- 2) **Sally dog**
- 3) **four one**

#### Type 2:

- 4) **sea sky**
- 5) **track motorway**
- 6) **paw hoof**

**Type 3:**

- 7) **FAT      TUBE**
- 8) **TON      TRIP**
- 9) **NET      MEAT**

**Type 4:**

- 10) **income**
- 11) **powerless**
- 12) **away**
- 13) **passage**

**(13 marks)**

# Non-Verbal Reasoning

## Rotation

### Rotate the Figure

Work out which option would look like the figure on the left if it was rotated.  
 Example:

The figure has been rotated 45 degrees clockwise.

1) **6. D**  
*The figure is rotated 225 degrees clockwise (or 135 degrees anticlockwise). In option A, only the triangle has been rotated. Options B and C are rotated reflections and the circle in C is positioned incorrectly.*

2) **7. B**  
*The figure is rotated 90 degrees clockwise. Options A and C are the wrong shape and option D is a reflection.*

### Complete the Series

Work out which of the options best fits in place of the missing square in the series.  
 Example:

In each series square, the line rotates 45 degrees clockwise. (The black rectangle does not change.)

3) **9. A**  
*The entire series square rotates 90 degrees anticlockwise.*

**10. D**  
*The entire series square rotates 90 degrees clockwise.*

4) *The droplet's shading alternates between black and white.*

Reflection

Reflect the Figure

Work out which option would look like the figure on the left if it was reflected over the line.  
 Example:

Options A, C and D are rotations instead of reflections.

**6. C**  
 5) *Option A is a downwards reflection. Option B is a 90 degree anticlockwise rotation. In option D, the line is reflected but the ends of the line have been swapped over.*

**7. D**  
 6) *In option A, the shape has not been reflected. In option B, the hatching has not been reflected. Option C is a downwards reflection.*

Find the Figure Like the First Two

Work out which option is most like the two figures on the left.  
 Example:

All figures must have a black shape and a white shape which are reflections of each other.

**7) 9. B**  
*All figures must have two halves that are reflections of each other.*

**10. D**  
 8) *In all figures, the two shapes must be reflections of each other.*

Layering

Odd One Out

Find the figure in each row that is most unlike the other figures.  
 Example:

a                      b                      c                      d                      e                      (   c   )

In all the other figures, the black shape is at the front.

9) **6.                      A**  
*In all other figures, the circle is in front of the large shape.*

**7.                      D**  
 10) *In all other figures, the black-and-white shapes have their black half overlapping the big square.*

Complete the Pair

Look at how the first two figures are changed, and then work out which option would look like the third figure if you changed it in the same way.  
 Example:

a                      b                      c                      d                      (   c   )

The arrows move to the back of the figure and the central shape moves to the front.

11) **9.                      B**  
*The grey shape moves to the front.*

**10.                      B**  
 12) *The small shape at the back moves to the front.  
 The small shape at the front moves to the back.*

(12 marks)

## Vocabulary Test

Write the definition for each word. (2 marks for each word)

**Demonstrate** (v.): show, reveal, visually explain, display.

**Imagine** (v.): to form a mental image of something, see, picture, dream up.

**Foggy** (adj.): misty weather / unclear, confused, muddled.

**Invert** (v.): do the opposite, capsize, overturn, reverse.

**Machinery** (n.): equipment, gear, apparatus.

**Advise** (v.): offer suggestions about best actions, help with decisions.

**Safeguard** (v.): defend, protect from future dangers, uphold.

**Reunite** (v.): re-join, reconcile, unify.

**Aerial** (adj.): airborne, mid-air, floating.

**Operate** (v.): work, control, function, use.

**Courageous** (adj.): brave, daring, bold.

**Initiate** (v.): start, begin, introduce.

**Itinerary** (n.): planned route, journey, programme.

**Reluctant** (n.): unwilling, hesitant, disinclined.

**Alternative** (n.): substitute, other choice, replacement.

**Casual** (adj.): unplanned, relaxed, laid-back, informal.

**Ridiculous** (adj.): absurd, silly, outrageous.

**Interrogate** (v.): question intensely, interview, cross-exam

**Havoc** (n.): destruction, disaster, confusion.

**Masterpiece** (n.): perfection, work of genius, stunning success.