



**VIETNAM INTERNATIONAL APPLIED MATHEMATICS COMPETITION  
MOCK TEST - ANSWER KEY**

**LEVEL 1 - BEGINNER PRIMARY**

**I. MULTIPLE CHOICE QUESTIONS**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
C	C	D	A	C	C	A	B	C	A	C	A	B	D	A

**II. SHORT ANSWER QUESTIONS**

<b>16</b>	185 thousand (VND)	<b>21</b>	2 months
<b>17</b>	10 thousand (VND)	<b>22</b>	MATH
<b>18</b>	4 cases	<b>23</b>	14 bricks
<b>19</b>	6 items	<b>24</b>	Minh
<b>20</b>	6 rounds	<b>25</b>	5

**LEVEL 2 - MIDDLE PRIMARY**

**I. MULTIPLE CHOICE QUESTIONS**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
A	B	B	C	C	D	C	D	B	A	C	D	A	D	B

**II. SHORT ANSWER QUESTIONS**

<b>16</b>	7 cakes	<b>21</b>	85 mm
<b>17</b>	5 weeks	<b>22</b>	8
<b>18</b>	6 ways	<b>23</b>	40
<b>19</b>	1200 ml	<b>24</b>	15
<b>20</b>	7h37 (07:37)	<b>25</b>	16

### LEVEL 3 - UPPER PRIMARY

#### I. MULTIPLE CHOICE QUESTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	A	D	A	D	A	A	B	D	C	A	B	C	D	C

#### II. SHORT ANSWER QUESTIONS

16	240.000 VND	21	Area Y
17	7.000 VND	22	648.000 VND
18	1/16	23	64 items
19	7 items	24	0 draws
20	3 hours and 12 minutes	25	720

### LEVEL 4 - JUNIOR

#### I. MULTIPLE CHOICE QUESTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	C	C	A	A	A	B	B	A	A	D	D	B	C	C

#### II. SHORT ANSWER QUESTIONS

16	4.166.667 VND	21	54,4
17	$(x, y) = (5, 5)$ and 2,200,000 VND	22	$640m^3$
18	25	23	1 680 000 VND
19	18:38 on May 16th	24	$I\left(\frac{7}{2}; \frac{7}{2}\right)$
20	120	25	43544

## LEVEL 5 - INTERMEDIATE

### I. MULTIPLE CHOICE QUESTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B	B	A	A	A	A	D	D	C	B	A	A	A	B	C

### II. SHORT ANSWER QUESTIONS

16	Option 1	21	10.275 million m <sup>2</sup>
17	$(x; y) = (3; 2)$	22	27
18	$P(2) = \frac{3}{8}$	23	4 m <sup>2</sup>
19	P = 12	24	(3;3), (2;4)
20	40 km/h	25	0.01

## LEVEL 6 - SENIOR

### I. MULTIPLE CHOICE QUESTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	B	C	B	D	B	A	A	D	B	C	D	A	D	C

### II. SHORT ANSWER QUESTIONS

16	7,17	21	2,68
17	298	22	46
18	1075	23	2,17
19	25	24	0,24
20	95,1	25	1,72