

Patterns

Unit Test, Form A (page 1 of 2)

Score _____ / 12

1. Fill in this part of the addition table.

+	5	6	7	8
3	8	9		11
4		10	11	
5	10			13

2. Circle how the shaded numbers change from top to bottom.

+	5	6	7
2	7	8	9
3	8	9	10
4	9	10	11

Up by 1

Up by 2

All the same

3. Fill in the 4s row. Then circle how each number compares to the one above it.

×	3	5	6	8
2	6	10	12	16
4				

2 more

double

4 more

4. Circle every number that is in the 5s row of the times table.

15 32 40 18

25 52 30 44

5. Do not solve. Is each answer odd or even? Circle.

37 + 48 odd even

25 + 39 odd even

6 × 7 odd even

5 × 9 odd even

6. Circle the sentence that is always true.

Odd × odd is always even.

Even × any number is always even.

Odd × even is always odd.

Patterns

Unit Test, Form A (page 2 of 2)

7. Fill in the missing numbers. Write the rule.

14, 23, 32, _____, 50, _____

Rule: _____

8. Fill in the missing numbers. Write the rule.

1, 3, _____, 27

Rule: _____

9. One number does not fit the pattern. Circle it. Write the right number.

6 , 13 , 20 , 28 , 34 , 41

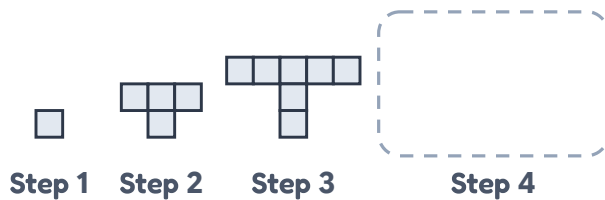
It should be _____

10. Fill in the pattern. What number is in the 8th position?

Start at 4. Add 3 each time.

1st	2nd	3rd	4th	5th	6th	7th	8th
4	7	10	_____	_____	_____	_____	

11. Draw step 4. How many squares are in step 4 and in step 6?



Step 4: _____ Step 6: _____

12. Find the rule. Fill in the table.

In	2	5	3	7	
Out	8	20			36

Rule: _____

Patterns

Unit Test, Form B (page 1 of 2)

Score _____ / 12

1. Fill in this part of the addition table.

+	2	3	4	5
4	6	7		9
5		8	9	
6	8			11

2. Circle how the shaded numbers change from top to bottom.

+	6	7	8
4	10	11	12
5	11	12	13
6	12	13	14

Up by 1

Up by 2

All the same

3. Fill in the 6s row. Then circle how each number compares to the one above it.

×	4	5	7	9
3	12	15	21	27
6				

3 more

double

6 more

4. Circle every number that is in the 5s row of the times table.

35 22 50 14

5 38 45 26

5. Do not solve. Is each answer odd or even? Circle.

45 + 32 odd even

27 + 19 odd even

8 × 3 odd even

7 × 3 odd even

6. Circle the sentence that is always true.

Even × even is always odd.

Odd × odd is always odd.

Even × odd is always odd.

Patterns

Unit Test, Form B (page 2 of 2)

7. Fill in the missing numbers. Write the rule.

13, 21, 29, _____, 45, _____

Rule: _____

8. Fill in the missing numbers. Write the rule.

2, 4, _____, 16

Rule: _____

9. One number does not fit the pattern. Circle it. Write the right number.

9, 17, 25, 34, 41, 49

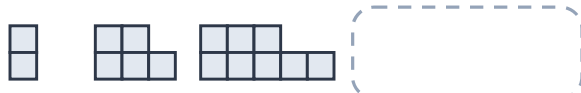
It should be _____

10. Fill in the pattern. What number is in the 8th position?

Start at 5. Add 4 each time.

1st	2nd	3rd	4th	5th	6th	7th	8th
5	9	13	_____	_____	_____	_____	

11. Draw step 4. How many squares are in step 4 and in step 6?



Step 1 Step 2 Step 3 Step 4

Step 4: _____ Step 6: _____

12. Find the rule. Fill in the table.

In	3	5	2	8	
Out	18	30			42

Rule: _____

Patterns

Unit Test, Form A (page 1 of 2)

Score _____ / 12

1. Fill in this part of the addition table.

+	5	6	7	8
3	8	9	10	11
4	9	10	11	12
5	10	11	12	13

Lesson 8.1 · Patterns in the addition table

2. Circle how the shaded numbers change from top to bottom.

+	5	6	7
2	7	8	9
3	8	9	10
4	9	10	11

Up by 1

Up by 2

All the same

Lesson 8.1 · Patterns in the addition table

3. Fill in the 4s row. Then circle how each number compares to the one above it.

×	3	5	6	8
2	6	10	12	16
4	12	20	24	32

2 more

double

4 more

Lesson 8.2 · Patterns in the times table

4. Circle every number that is in the 5s row of the times table.

15 32 40 18
25 52 30 44

Lesson 8.2 · Patterns in the times table

5. Do not solve. Is each answer odd or even? Circle.

37 + 48 odd even

25 + 39 odd even

6 × 7 odd even

5 × 9 odd even

Lesson 8.3 · Odd and even sums and products

6. Circle the sentence that is always true.

Odd × odd is always even.

Even × any number is always even.

Odd × even is always odd.

Lesson 8.3 · Odd and even sums and products

Patterns

Unit Test, Form A (page 2 of 2)

7. Fill in the missing numbers. Write the rule.

14, 23, 32, 41, 50, 59

Rule: Add 9

Lesson 8.4 · Find the rule

8. Fill in the missing numbers. Write the rule.

1, 3, 9, 27

Rule: Multiply by 3

Lesson 8.4 · Find the rule

9. One number does not fit the pattern. Circle it. Write the right number.

6, 13, 20, 28, 34, 41

It should be 27

Lesson 8.5 · Find the mistake; positions

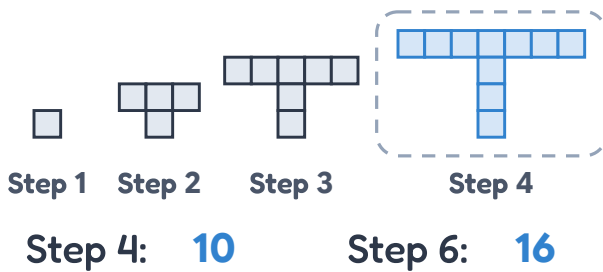
10. Fill in the pattern. What number is in the 8th position?

Start at 4. Add 3 each time.

1st	2nd	3rd	4th	5th	6th	7th	8th
4	7	10	<u>13</u>	<u>16</u>	<u>19</u>	<u>22</u>	<u>25</u>

Lesson 8.5 · Find the mistake; positions

11. Draw step 4. How many squares are in step 4 and in step 6?



Lesson 8.6 · Growing shape patterns

12. Find the rule. Fill in the table.

In	2	5	3	7	<u>9</u>
Out	8	20	<u>12</u>	<u>28</u>	36

Rule: Multiply by 4

Lesson 8.7 · Input-output tables

Patterns

Unit Test, Form B (page 1 of 2)

Score _____ / 12

1. Fill in this part of the addition table.

+	2	3	4	5
4	6	7	8	9
5	7	8	9	10
6	8	9	10	11

Lesson 8.1 · Patterns in the addition table

2. Circle how the shaded numbers change from top to bottom.

+	6	7	8
4	10	11	12
5	11	12	13
6	12	13	14

Up by 1

Up by 2

All the same

Lesson 8.1 · Patterns in the addition table

3. Fill in the 6s row. Then circle how each number compares to the one above it.

×	4	5	7	9
3	12	15	21	27
6	24	30	42	54

3 more

double

6 more

Lesson 8.2 · Patterns in the times table

4. Circle every number that is in the 5s row of the times table.

35 22 50 14
5 38 45 26

Lesson 8.2 · Patterns in the times table

5. Do not solve. Is each answer odd or even? Circle.

45 + 32 odd even

27 + 19 odd even

8 × 3 odd even

7 × 3 odd even

Lesson 8.3 · Odd and even sums and products

6. Circle the sentence that is always true.

Even × even is always odd.

Odd × odd is always odd.

Even × odd is always odd.

Lesson 8.3 · Odd and even sums and products

Patterns

Unit Test, Form B (page 2 of 2)

7. Fill in the missing numbers. Write the rule.

13, 21, 29, 37, 45, 53

Rule: Add 8

Lesson 8.4 · Find the rule

8. Fill in the missing numbers. Write the rule.

2, 4, 8, 16

Rule: Multiply by 2

Lesson 8.4 · Find the rule

9. One number does not fit the pattern. Circle it. Write the right number.

9, 17, 25, 34, 41, 49

It should be 33

Lesson 8.5 · Find the mistake; positions

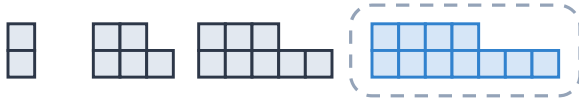
10. Fill in the pattern. What number is in the 8th position?

Start at 5. Add 4 each time.

1st	2nd	3rd	4th	5th	6th	7th	8th
5	9	13	<u>17</u>	<u>21</u>	<u>25</u>	<u>29</u>	<u>33</u>

Lesson 8.5 · Find the mistake; positions

11. Draw step 4. How many squares are in step 4 and in step 6?



Step 1 Step 2 Step 3 Step 4

Step 4: 11 Step 6: 17

Lesson 8.6 · Growing shape patterns

12. Find the rule. Fill in the table.

In	3	5	2	8	<u>7</u>
Out	18	30	<u>12</u>	<u>48</u>	42

Rule: Multiply by 6

Lesson 8.7 · Input-output tables