GRADE 4 MATHEMATICS TEST – TERM 4

Name and surname: _____   **Total: 50**

Date: _____   **Time: 1 hour**

INSTRUCTIONS

1. Show all your calculations.

2. You are not allowed to use a calculator.

3. Write neatly.

QUESTION 1

Study the number 6̲ 438 and answer the questions:

1.1. What is the value of the underlined number? _____   (1)

1.2. What is the place value of the underlined number? _____   (1)

1.3. Write the number in expanded notation:

_____ (1)

1.4. Write the number in words:

_____

_____ (1)

1.5. What number is 3 846 more than 6 438? Calculate. (3)

_____

_____

_____

1.6. What number is 4 356 less than 6 438? Calculate. (2)

_____

_____

_____

1.7. Complete the following:

a) 6 438, 6 538, _____. _____. _____, 6 938.   (1)

1.8. Round 6 438 to the nearest 100. _____   (1)

1

Total question 1: _____/11

QUESTION 2

The pattern in the figures are packed out of matches.
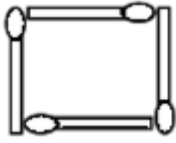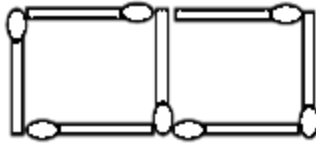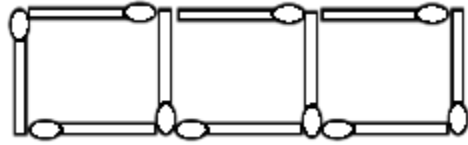
| Figure 1 | Figure 2 | Figure 3 |

2.1. Complete the table   (3)

Figure	1	2	3	4	5	6
Amount of matches	4	7	10			

    2.1.1   Describe the rule you used to complete the pattern in words?   (1)

    _____

    _____

    2.1.2. How many matches will be in figure 9?   (1)

    _____

2.2.   Write down the next 3 numbers in each of the following sequences and also write down the rule which you used.
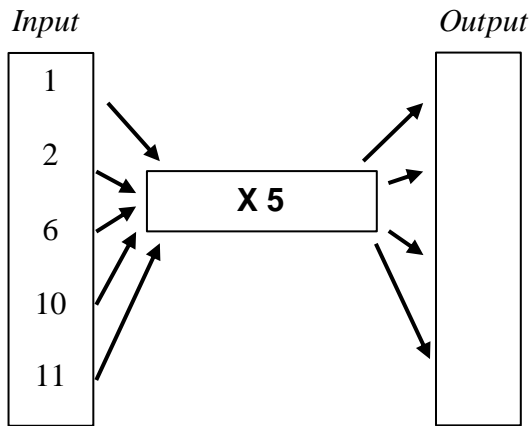
    a) 36 ; 32 ; 28 ; ___, ___. ___.

    _____

    b) 1 ; 2 ; 4 ; ___, ___. ___.

    _____

Total question 2: ____/9

QUESTION 3

Use the given rule to calculate the output values for the given input values   (5)

Input

| 1 |
| 2 |
| 6 |
| 10 |
| 11 |

X 5

Output

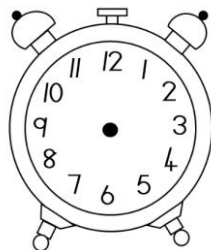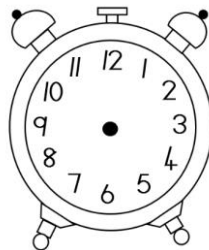**Total question 3: ____/5**

QUESTION 4

4.1. Complete the following questions: (4)

a) Half an hour is _____ minutes.

b) 4 minutes is _____ seconds.

c) Underline the correct time: "quarter past two"

   i.   2:15

   ii.   2:45

   iii.   2:30

   iv.   2:05

d) How many hours are in 3 days? _____.

4.2. Draw in the long hand and the short hand to show the correct times.   (2)
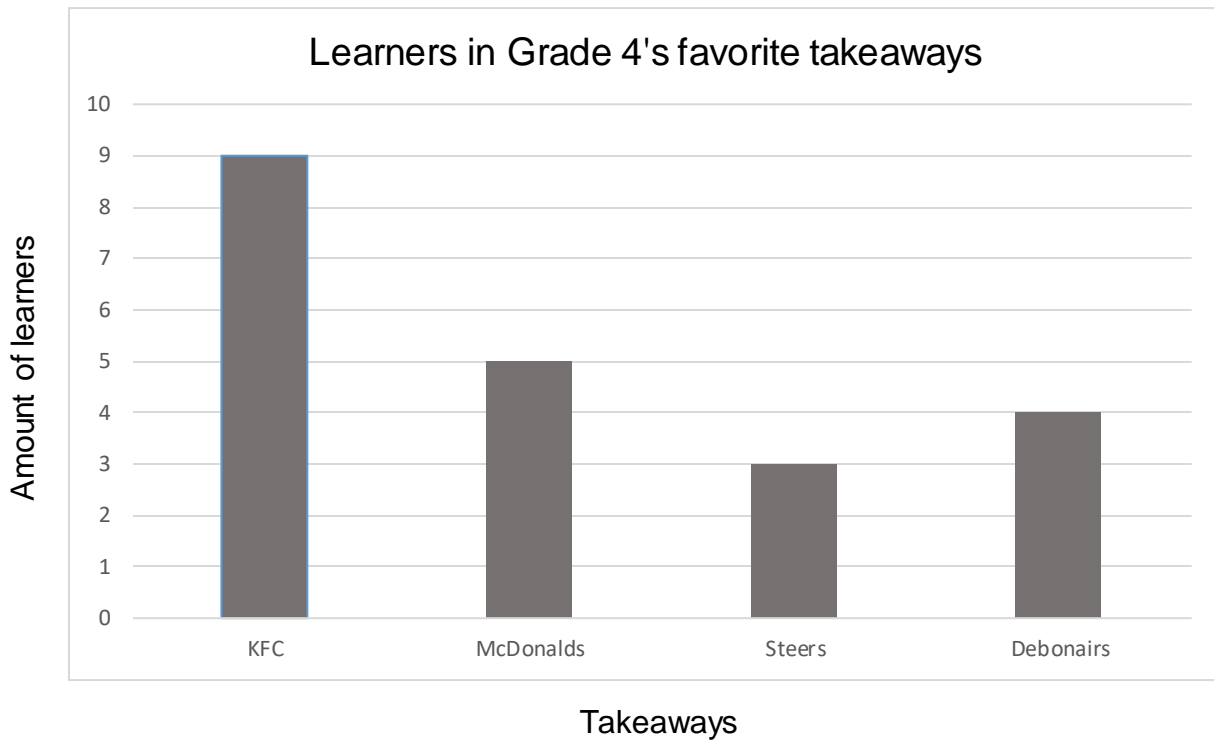
6:15 a.m.   2:35 p.m.

4.3. Write the following times in 24-hour time: (2)

a) ten past twelve in the afternoon _____

b) 12:00 a.m. (midnight) _____

Total question 4: ____/8

QUESTION 5

5.2 A study was made how many leaners in Teacher Mary's Grade 4 class prefer which takeaway. Look at the graph and answer the questions below.

5.2.1. What takeaway is their favorite? (1)
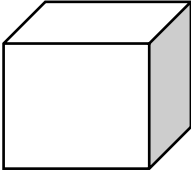
_____

5.2.2. What takeaway do they prefer the least? (1)

_____

5.2.3 Which takeaway was preferred the same amount? (1)

_____

5.2.4. How many learners prefer KFC to steers? Show your calculation. (2)
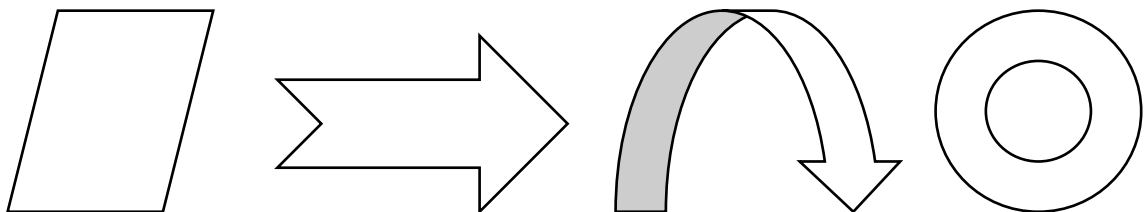
_____

Total question 5: _____/5

QUESTION 6

6.1 Complete the table. (4)

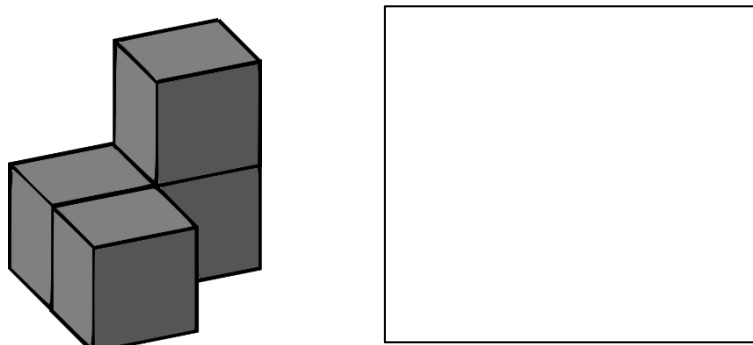| Shape	Name of shape	Number of faces	Number of edges	Number of corners

6.2. Draw the following shapes in the blocks and write how many lines of symmetry they

have in the box. (4)
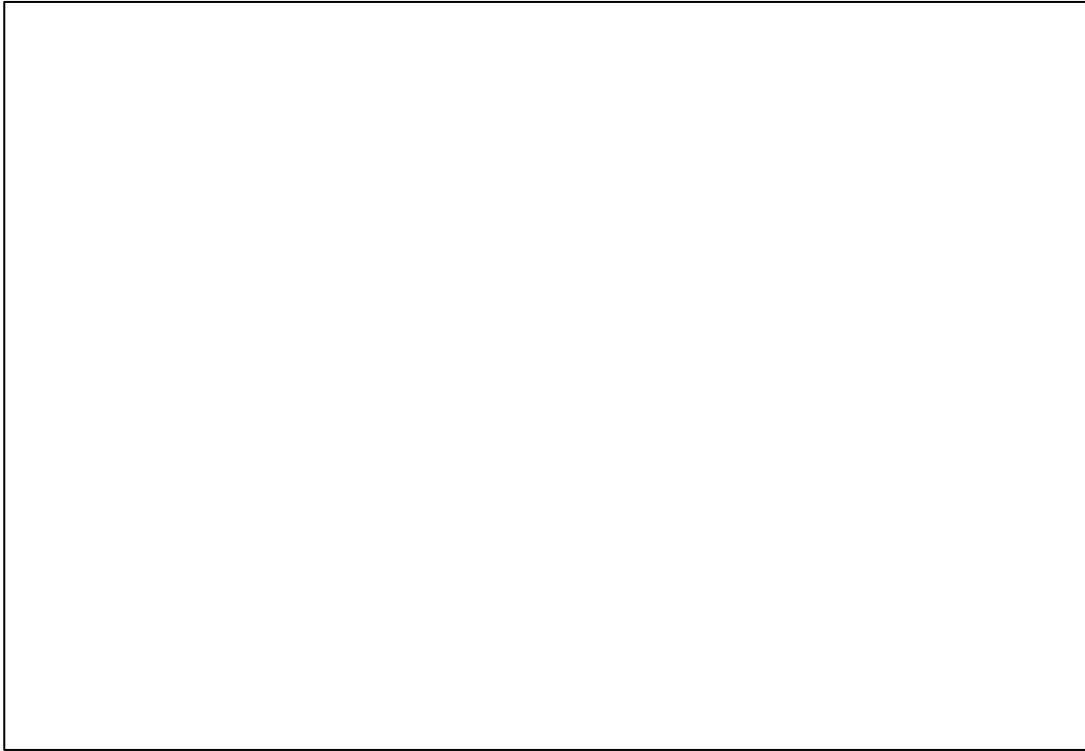

pentagon

trapezium

6.3. Draw a circle around the picture which is symmetrical. (2)

6.4. Draw the top view of the 3D object in the block. (1)

6.5. Use a triangle and square to create your own tessellation in the block. Use different colors to create your tessellation. (2)

Total question 6: _____/12

MEMORANDUM

GRADE 4 MATHEMATICS TEST – TERM 4

Name and surname: _____   **Total: 50**

Date: _____   **Time: 1 hour**

INSTRUCTIONS

4. Show all your calculations.

5. You are not allowed to use a calculator.

6. Write neatly.

QUESTION 1

Study the number <u>6</u> 438 and answer the questions:

1.1. What is the value of the underlined number? **6000**   (1)

1.2. What is the place value of the underlined number? **Thousands**   (1)

1.3. Write the number in expanded notation: **6000 + 400 + 30 + 8**   (1)

1.4. Write the number in words:

   Six thousand four hundred and thirty-eight   (1)

1.5. What number is 3 846 more than 6 438? Calculate. (3)

$$\begin{array}{r} {}^{1}3\,{}^{1}846 \\ +\ 6\,438 \\ \hline 10\,284 \end{array}$$

1.6. What number is 4 356 less than 6 438? Calculate. (2)

$$\begin{array}{r} 6\,{}^{3}\cancel{4}{}^{1}38 \\ -\ 4\,356 \\ \hline 2\,082 \end{array}$$

Complete the following:
   b) 6 438, 6 538, **6 638, 6 738, 6 838**, 6 938.   (1)

1.7. Round 6 438 to the nearest 100.

   6 400   (1)

QUESTION 2

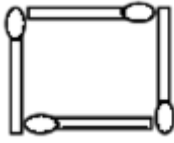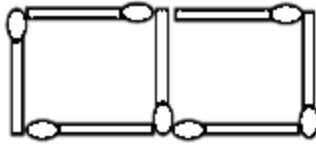The pattern in the figures are packed out of matches.
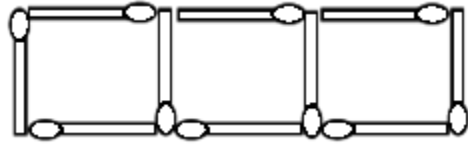

Figure 1   Figure 2   Figure 3

2.1. Complete the table   (3)

Figure	1	2	3	4	5	6
Amount of matches	4	7	10	**13**	**16**	**19**

    2.1.1. Describe the rule you used to complete the pattern in words?   (1)

        Add 3 every time.

    2.1.2. How many matches will be in figure 9?   (1)

        There will be 28 matches in figure 19.

2.2. Write down the next 3 numbers in each of the following sequences and also write down the rule which you used.

    c) 36 ; 32 ; 28 ; **24, 20, 16.**
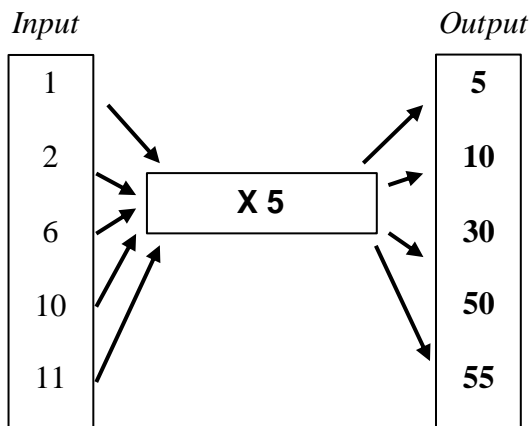
      Subtract 4 every time.

    d) 1 ; 2 ; 4 ; **7, 11, 16**

      Die second difference of each number is 1.

Total question 2: _____/9

QUESTION 3

Use the given rule to calculate the output values for the given input values   (5)

Input   *Output*

1		5
2		10
6	X 5	30
10		50
11		55

Total question 3: ____/5

_____

QUESTION 4
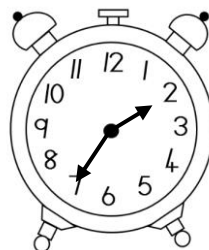
4.1. Complete the following questions: (4)

   e) Half an hour is **30** minutes.

   f) 4 minutes is **240** seconds.

   g) Underline the correct time: "quarter past two"

      v.   <u>2:15</u>

      vi.   2:45

      vii.   2:30

      viii.   2:05

   h) How many hours are in 3 days? **72 hours**.

4.2. Draw in the long hand and the short hand to show the correct times.   (2)
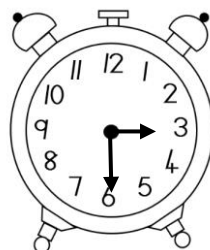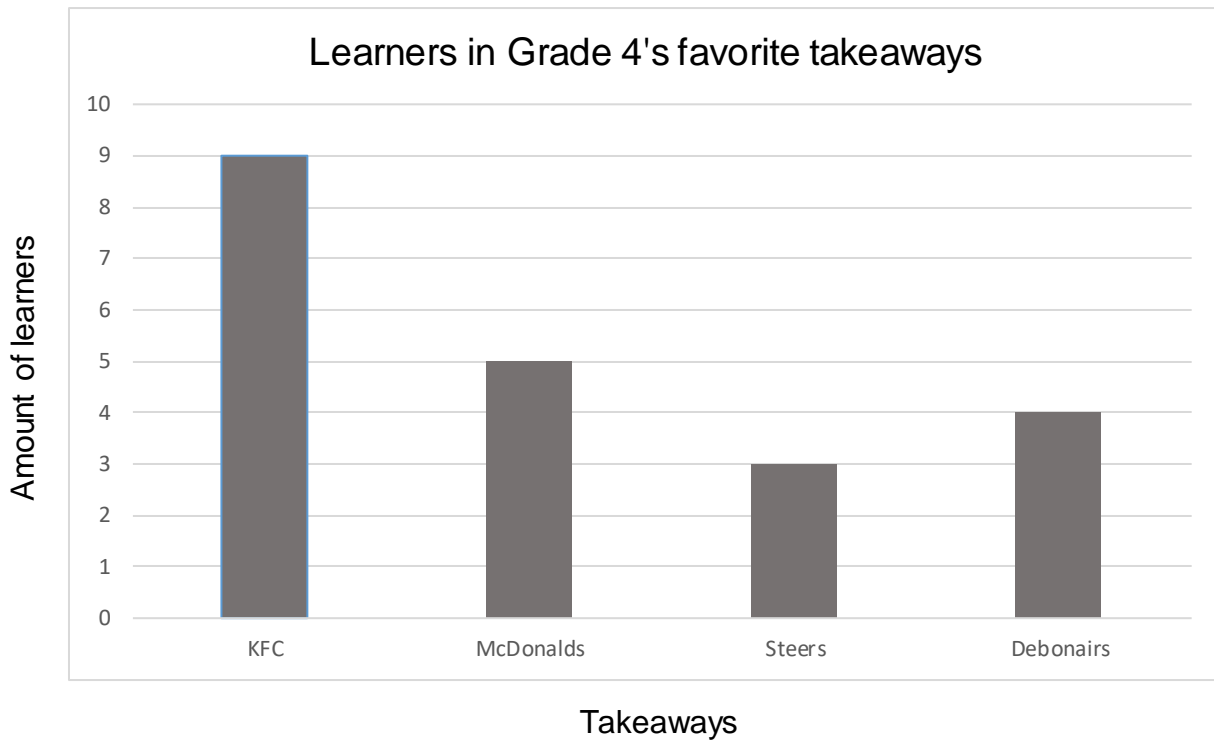
    6:15 a.m.   2:35 p.m.

4.3. Write the following times in 24-hour time: (2)

   c) ten past twelve in the afternoon   **12:10**

   d) 12 a.m. (midnight)   **0:00**

9

Total question 4: ____/8

QUESTION 5

5.2   A study was made how many leaners in Teacher Mary's Grade 4 class prefer which takeaway. Look at the graph and answer the questions below.

5.2.1.   What takeaway is their favorite?   (1)

KFC is their favorite takeaway.

5.2.2.   What takeaway do they prefer the least?   (1)

The takeaway they prefer the least is steers.

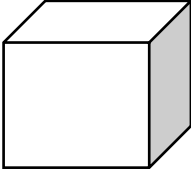5.2.3   Which takeaway was preferred the same amount?   (1)

McDonalds and steers.

5.2.4.   How many learners prefer KFC to steers? Show your calculation.   (2)
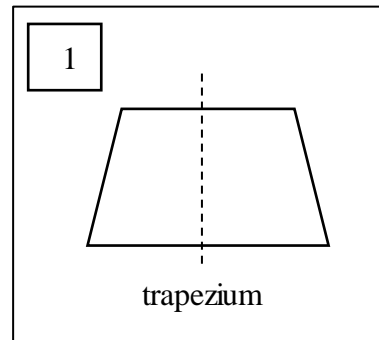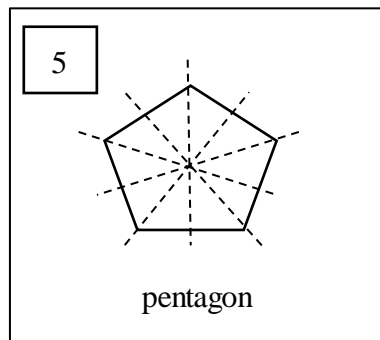
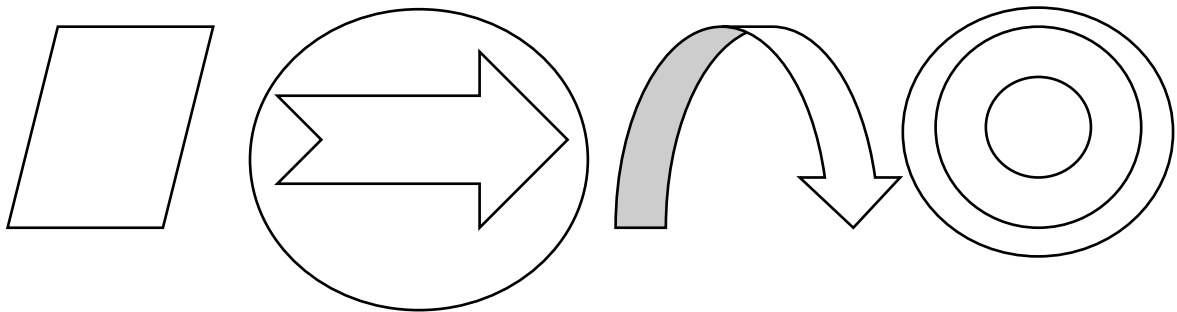**9 – 3√ = 6√. Six learners prefer KFC to steers.**

Total question 5: _____/5

QUESTION 6

6.1 Complete the table. (4)

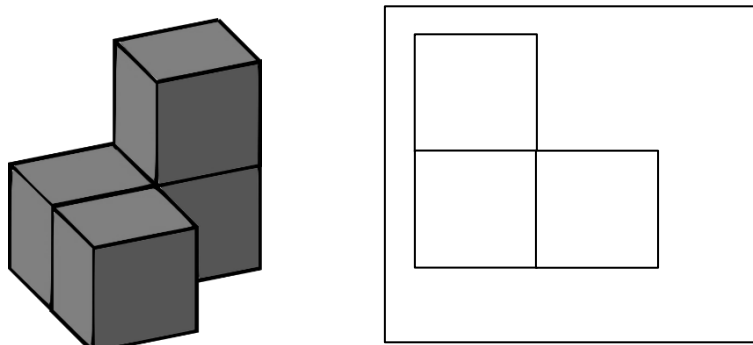| Shape	Name of shape	Number of faces	Number of edges	Number of corners
	Cube	**6**	**12**	**8**

6.2. Draw the following shapes in the blocks and write how many lines of symmetry they

have in the box. (4)

pentagon

trapezium

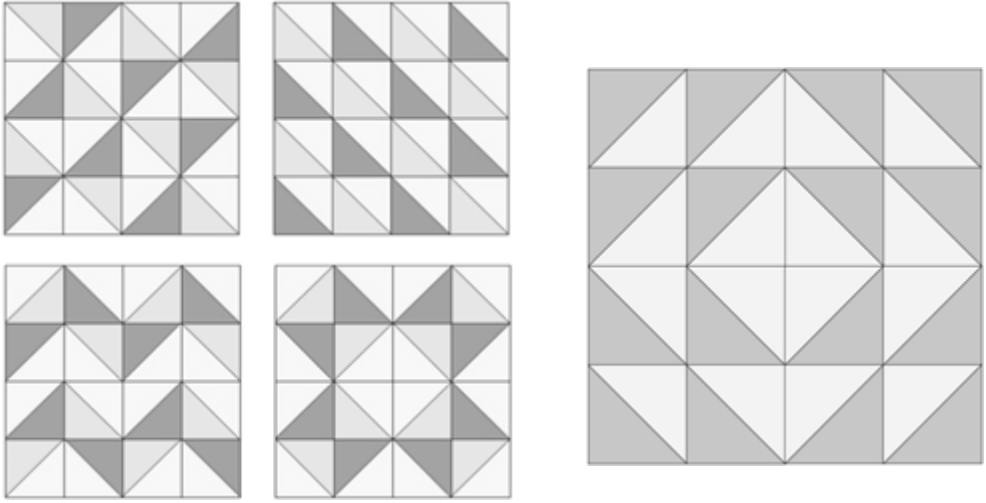6.3. Draw a circle around the picture which is symmetrical. (2)

6.4. Draw the top view of the 3D object in the block. (1)

6.5.   Use a triangle and square to create your own tessellation in the block. Use
different colors to create your tessellation.   (2)

Learners own creativity.

Total question 6: _____/12