1

M-C-01-1-1

What is the result of ABC x 5, where A, B, and C stand for different digits: A stands for 6, B stands for 0, and C stands for 7?

Answer: _____

2

M-C-01-1-2

In the expression AB × 7 = 147 letters A and B stand for two different digits. Find the answer to BA × 7, where these digits have been switched.

Answer: _____

3

M-C-01-1-3

What would be the largest result if letters are replaced with digits in the sum of these three-digit numbers:
A5B + BC3
(Different letters are replaced with different digits)

Answer: _____

4

M-C-03-1-1

Circle the largest number:

10073

1801

9999

10110

5

M-C-03-1-2

Circle the smallest number:

14 tens and 9 ones

1 hundred and 5 tens

12 tens and 39 ones

140 ones

6

M-C-03-1-3

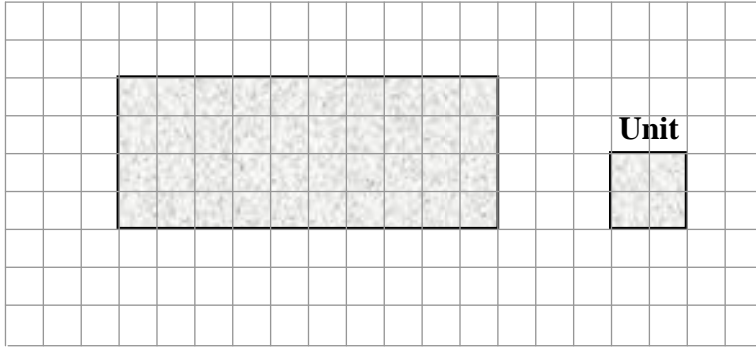Below are three numbers:

53

535   **5**

Put them one after another in an order that results in the smallest possible six-digit number.

Answer: _____

7

M-M-02-1-1

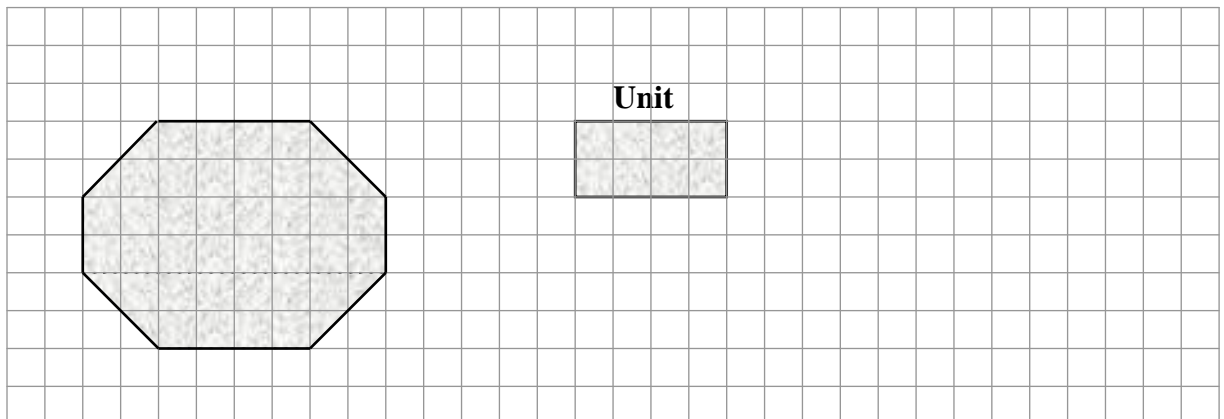Measure the area of the large rectangle below using the small square as the unit of measurement.

Unit

Answer: _____ units

8

M-M-02-1-2

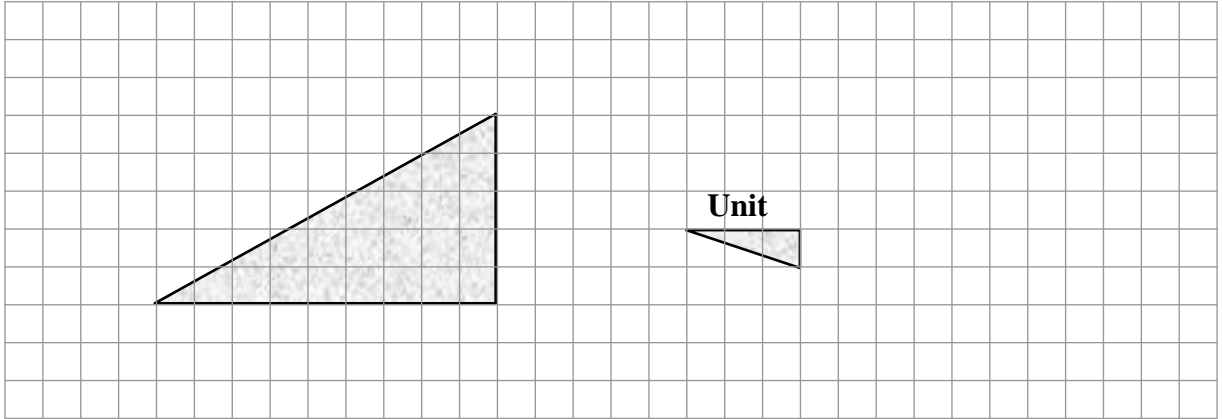Measure the area of the large shape below using the rectangle as the unit of measurement.

Unit

Answer: _____ units

9

M-M-02-1-3

Measure the area of the larger triangle below using the smaller triangle as the unit of measurement.

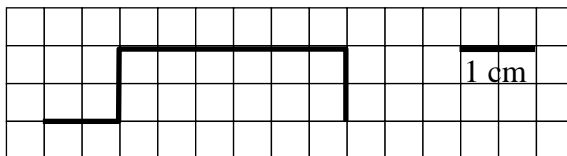Answer: _____ units

10

M-M-03-1-1
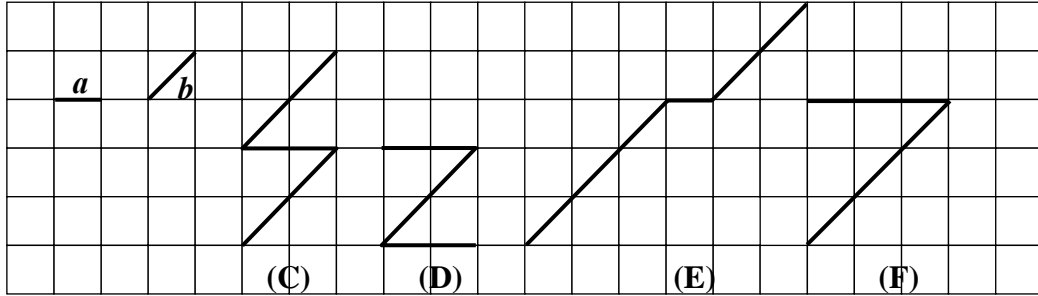
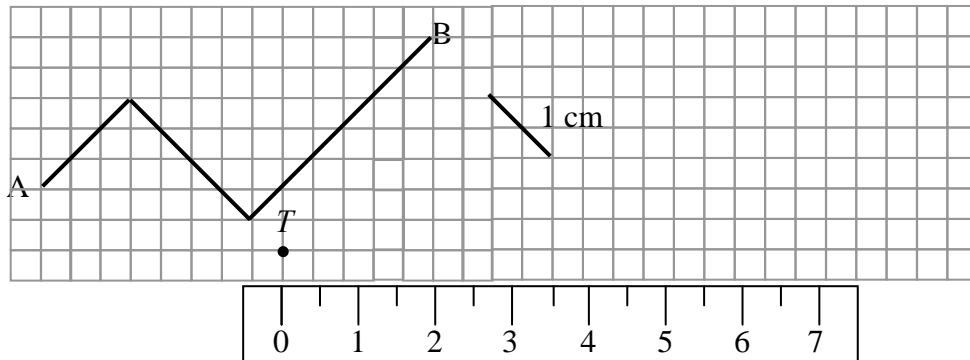Measure the length of the jagged line in centimeters.

Answer: _____cm

11

Which jagged line has the length that corresponds to the expression $4a + 2b$?

a   b

(C)   (D)   (E)   (F)

Answer_____

12

Draw a straight line from point T that is the same length as the jagged line going from A to B.

B

1 cm

A

T

0   1   2   3   4   5   6   7

13

M-M-11-1-1
The side of a square is 3 cm long. What is the perimeter of the square?   Answer: _____ cm

14

| M-M-11-1-2 |
|---|
| The length of a rectangle is 40 cm.
What is the width of the rectangle if its perimeter is 120 cm?

Answer: _____ m |

15

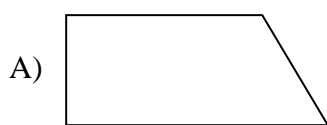| M-M-11-1-3 |
|---|
| A square with an 8 cm side was cut into two rectangles. The perimeter of the first rectangle is 26 cm.
What is the perimeter of the second rectangle?

Answer: _____ cm |

16

M-G-01-1-1

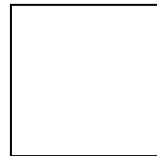Put a dot in this picture so that it is inside the rhombus and the circle and outside the rectangle.
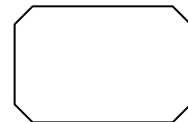
17
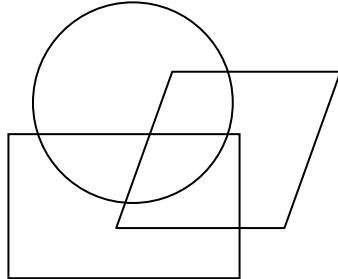
M-G-01-1-2

Which of these figures are rectangles?
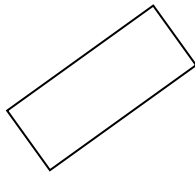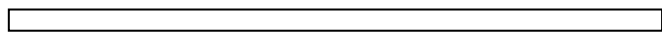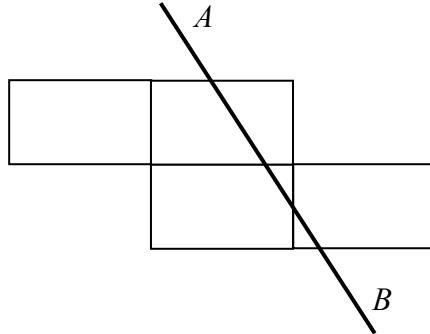Circle ALL of the correct answers.

A)

B)

C)

D)

E)

M-G-01-1-3

How many rectangles does line *AB* cross?

Answer _____

19

M-D-03-1-1

Nicholas is 15 cm taller than Peter. Nicholas is 1 m 60 cm tall.
How tall is Peter?

Answer: _____

20

M-D-03-1-2

A year ago Sasha was 7 cm shorter that Molly.
Over the year Sasha grew by 9 cm and Molly by 7 cm.
Which child is taller now and by how many centimeters?

Answer: _____

21

M-D-03-1-3

Michael's height is 1m 50 cm. Sam's height differs from that of Michael's by 5 cm. Victor's height differs from Sam's height by 10 cm.

A year ago Victor was 1 m 48 cm tall and now he is less than 1 m 60 cm. How tall is Victor now?

Answer: _____

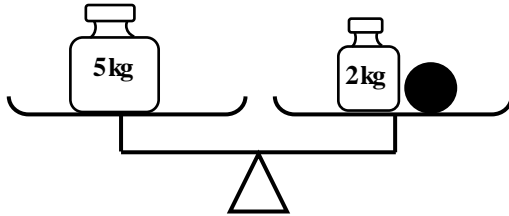22

M-M-08-1-1

Based on Fig 1, find the weight of the ball.

Fig. 1

Answer_____ kg

23

M-M-08-1-2

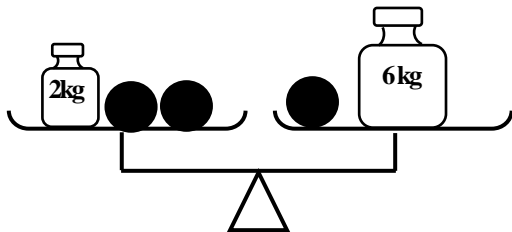The figures below show several identical balls. Based on Fig. 1, find the weight of the three balls in Fig. 2.
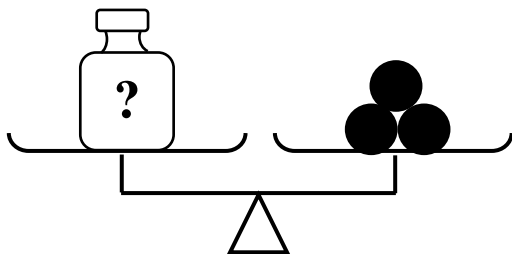

Fig. 1

Fig. 2

Answer_____kg

M-M-08-1-3

The figures below show several identical balls and a box that is used to store them. Based on Figs. 1 and 2, find the weight of the box with four balls in it (Fig. 3).
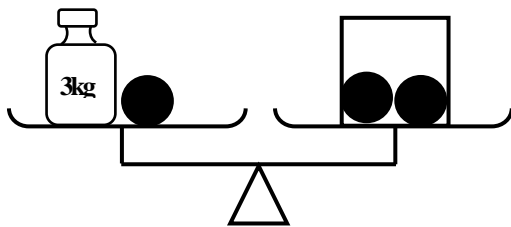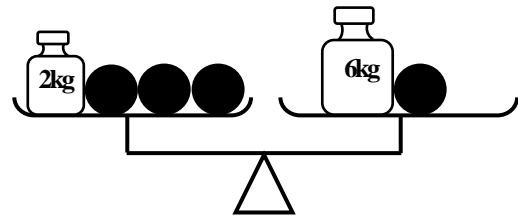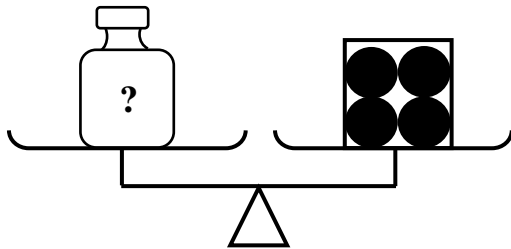
Fig.1

Fig.2

Fig.3

Answer_____ kg