Think Academy

Review Class

AM L10-L12

1 There is a rule that the symbol "#" represents an operation of producing the smaller one of the two numbers (for example, $17 \# 8 = 8$).

Calculate: $(6 \# 3) \times (10 \# 9)=$ _____ .

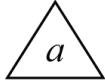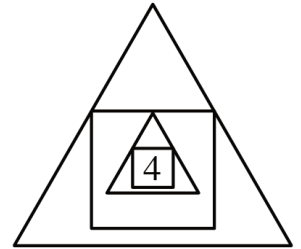A. 18   B. 27   C. 54   D. 60

2 Given that the symbol $\odot$ represents a new operation:

$x \odot y = 5x - y$, then $(6 \odot 3) \odot 4 =$ _____ .

3 Suppose a and b represent numbers. The symbol $\triangle a$, drawn in any size,

means $3a$. The symbol $\boxed{b}$, drawn in any size, means $b - 2$. Find the value of

the figure below.

Lesson 11

1 Answer the questions:
(1) Today is Wednesday. How many days ago was last Wednesday?
    A. 7   B. 8   C. 6   D. 9

(2) Today is Wednesday. What day will it be after 16 days?
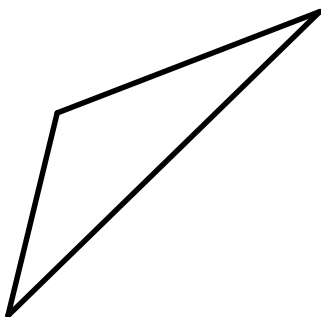   A. Thursday   B. Wednesday   C. Tuesday   D. Friday

2 Given that August 11, 2022 is Thursday, what day is October 10, 2022?

3 Answer the questions. (Hint: check whether the special Feb 29 is in each period.)
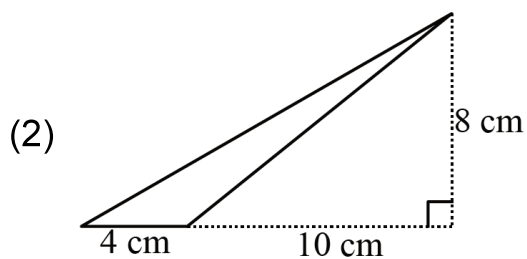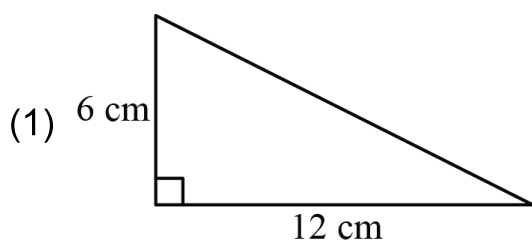(1) March 31, 2020 was a Tuesday. What day was March 31, 2021?

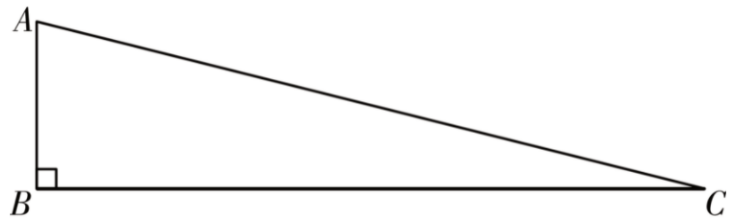(2) January 1, 1999 was a Friday. What day was January 1, 2001?

1 Draw all the heights in the triangle below.

2 Find the areas of the triangles below.

(1) 6 cm

12 cm

(2)

8 cm

4 cm   10 cm

3 The area of triangle ABC below is 84 cm^2 and the length of BC is 24 cm. Thus, the length of AB is _____ cm.
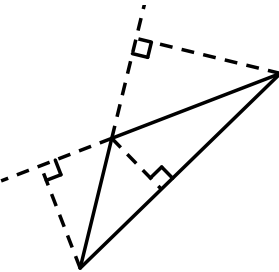
Solutions

Lesson 10

1. B
2. 131
3. 12

Lesson 11

1. (1) A
   (2) D

2. Monday

3. (1) Wednesday
   (2) Monday

Lesson 12

1.

2. (1) 36 cm^2
   (2) 16 cm^2

3. 7