

TIMSS 2019 – Restricted Use Items – Numbers

Benchmark 2

Knowing

On Thursday, the lowest temperature in City X was 6°C and the lowest temperature in City Y was -3°C . What was the difference between the lowest temperatures in the cities?

Answer: _____ $^{\circ}\text{C}$

Benchmark 3

Applying

A piece of string was 45 cm long. Then, it was divided into two pieces in a ratio of 4:5.

What is the length of the shorter piece of string in cm?

- (A) 5
- (B) 20
- (C) 25
- (D) 36

Benchmark 4

Reasoning

In the square below:

- The numbers in each row add to 1,
- The numbers in each column add to 1, and
- The numbers in both diagonals add to 1.

$\frac{8}{15}$		$\frac{2}{5}$
$\frac{1}{5}$	X	

What is the value of X?

X = _____

Reasoning

Write each of the digits 1, 2, 3, and 4 in a box below to make the **smallest** product. Each digit may only be used once.

$$\square\square \times \square\square$$