

Daily 5: Day 144 Name: _____*For questions 1 to 4, choose the correct answer from the options given.***1**

Patterns are formed from square tiles. The first three patterns are shown below.



Pattern 1

Pattern 2

Pattern 3

How many tiles are needed to make the seventh pattern?

- A 15 B 17 C 19 D 21 E 25

2

Look again at the pattern above.

How many more tiles are needed for the eighth pattern than the fifth pattern?

- A 6 B 8 C 9 D 12 E 15

3

Use the function machine below. The output is missing.

**What number goes in the blank box?**

- A 28 B 34 C 38 D 42 E 48

4

Look at the function machine below. The starting number is missing.

**What is the missing starting number?**

A 45

B 80

C 90

D 100

E 120

For question 5, write your answer in the space provided.

5

Aaron estimates 42×19 by rounding each number to the nearest ten.

What is his estimated answer, and is it larger or smaller than the exact answer?

Estimate = _____ (larger / smaller)

Read the whole passage carefully, then answer the questions that follow. Choose the best answer and circle its letter.

Comprehension

The Winning Goal

- 1 The whistle for the final match blew, and Maya's stomach twisted with nerves.
2 She had been picked in goal for the very first time, and the whole school was watching.
3 Rain drummed steadily on the clubhouse roof and turned the pitch to slippery mud.
4 For most of the match, Maya barely touched the ball, hopping from foot to foot.
5 Then, ten minutes from the end, the other team broke free and raced towards her.
6 Their striker swung her boot and the ball flew like a rocket at the top corner.
7 Without thinking, Maya launched herself sideways, arms stretched as far as they would go.
8 Her gloved fingertips just brushed the ball, tipping it over the crossbar.
9 The crowd erupted, and even the referee gave an approving nod.
10 "Great save!" yelled her captain, hauling Maya back onto her feet.
11 With seconds left, a scramble broke out in front of Maya's goal once more.
12 She dived bravely at the striker's feet and smothered the ball against her chest.
13 The final whistle shrieked. Somehow, impossibly, they had held on to win.
14 Her teammates piled on top of her in a muddy, laughing heap.
15 Maya could hardly believe it. That morning she had almost stayed at home.
16 Her coach ruffled her damp hair and grinned. "Told you you would be brilliant."
17 On the walk home, Maya replayed the save over and over in her mind.
18 Sometimes, she thought, the scariest things turn out to be the very best.

1

Why was Maya nervous at the start of the match?

- A it was raining hard
- B she was in goal for the first time
- C she had stayed at home
- D she had lost before
- E her captain shouted at her

2

What is the ball compared to when the striker shoots?

- A a rocket
- B the crossbar
- C the mud
- D a whistle
- E a heap

3

How did Maya stop the first shot?

- A she caught it easily
- B she kicked it clear
- C she tipped it over the crossbar

- D she headed it away
 - E she let it in
-

4

How did Maya's teammates react at the final whistle?

- A they walked off
 - B they were angry
 - C they blamed her
 - D they piled on top of her
 - E they left quietly
-

5

What lesson does Maya learn by the end?

- A never play in goal
 - B it is better to stay at home
 - C the scariest things can turn out best
 - D rain always ruins matches
 - E winning is the only thing that matters
-

Answers**Maths**

1. C (pattern 7 = 19 tiles)
2. C (pattern 8 – pattern 5 = 9 more tiles)
3. C (38)
4. C (90)
5. 800, and larger ($40 \times 20 = 800$; the exact answer is $42 \times 19 = 798$, so the estimate is larger)

Comprehension

1. B (she was in goal for the first time)
2. A (a rocket)
3. C (she tipped it over the crossbar)
4. D (they piled on top of her)
5. C (the scariest things can turn out best)