

Kangaroo-Style Math Practice, Grades 3-4, Set 6

Name: _____ Date: _____

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

- 1.** What number comes next? 25, 29, 33, 37, ?

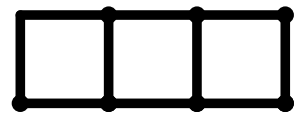
3 pts

(A) 38 (B) 39 (C) 41 (D) 43 (E) 45

- 2.** A row of 3 squares needs 10 matchsticks, as shown.

3 pts

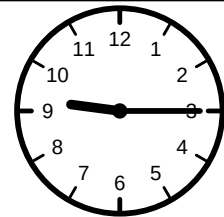
How many matchsticks are needed for a row of 8 squares?



(A) 24 (B) 25 (C) 26 (D) 30 (E) 32

- 3.** A movie starts at the time shown on the clock and lasts 1 hour 30 minutes. At what time does it end?

4 pts



(A) 10:30 (B) 11:45 (C) 10:45 (D) 10:00 (E) 9:45

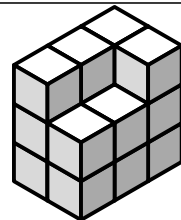
- 4.** Today Noah is 9 and Noah's sister is 12. In 5 years, how old will they be together?

4 pts

(A) 21 (B) 26 (C) 31 (D) 32 (E) 34

- 5.** How many cubes were used to build this tower? (No cubes are hidden at the back.)

5 pts



(A) 6 (B) 14 (C) 16 (D) 17 (E) 18

- 6.** In a chess club, 5 players each play exactly one game against every other player. How many games are played?

5 pts

(A) 9 (B) 10 (C) 11 (D) 15 (E) 20

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Answer Key

Choose the correct answer (A, B, C, D or E). Problems get harder as you go: the first two are worth 3 points, the next two 4 points and the last two 5 points.

1. **(C) 41**

The numbers go up by 4 each time: $37 + 4 = 41$.

2. **(B) 25**

The first square needs 4 sticks and each new square adds 3 more: $4 + 3 \times 7 = 25$.

3. **(C) 10:45**

Start at 9:15, add 1 hour and then 30 minutes to reach 10:45.

4. **(C) 31**

Now they are $9 + 12 = 21$ together. Each one gets 5 years older, so add 10: 31.

5. **(C) 16**

Count each column from the top: the heights add up to 16 cubes.

6. **(B) 10**

Each player plays 4 games, and every game has two players: $5 \times 4 / 2 = 10$ games.