

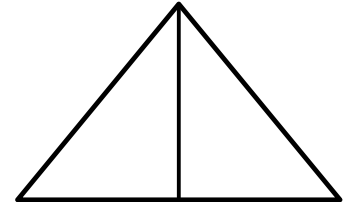
Kangaroo-Style Math Practice, Grades 3-4, Set 8

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.** How many triangles are there in this picture?

3 pts



(A) 1 (B) 2 (C) 3 (D) 4 (E) 5

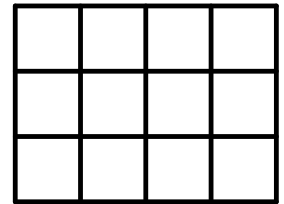
- 2.** 34 children go on a trip. Each van can take 5 children. What is the smallest number of vans they need?

3 pts

(A) 5 (B) 6 (C) 7 (D) 8 (E) 9

- 3.** How many squares of any size can you find in this picture?

4 pts



(A) 12 (B) 18 (C) 19 (D) 20 (E) 22

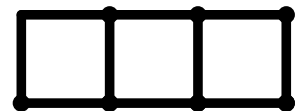
- 4.** Today is Saturday. What day of the week will it be in 12 days?

4 pts

(A) Wednesday (B) Saturday (C) Thursday (D) Sunday (E) Friday

- 5.** A row of 3 squares needs 10 matchsticks, as shown.
How many matchsticks are needed for a row of 7 squares?

5 pts



(A) 21 (B) 22 (C) 23 (D) 24 (E) 28

- 6.** A farm has only chickens and cows. Together they have 14 heads and 48 legs.
How many cows are there?

5 pts

(A) 4 (B) 9 (C) 10 (D) 11 (E) 12

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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) 3**

Every pair of lines from the top corner makes a triangle with the bottom line: that is 3 triangles.

2. **(C) 7**

$34 \div 5 = 6$ with 4 left over, and those children need one more van: 7.

3. **(D) 20**

There are 12 small squares, and the bigger squares made of several small ones add up to 20 in all.

4. **(C) Thursday**

Every 7 days it is Saturday again. $12 = 1 \times 7 + 5$, so count 5 days on from Saturday: Thursday.

5. **(B) 22**

The first square needs 4 sticks and each new square adds 3 more: $4 + 3 \times 6 = 22$.

6. **(C) 10**

If all 14 animals were chickens there would be 28 legs. The extra 20 legs come from cows, 2 extra legs each, so there are 10 cows.