# Kangaroo-Style Math Practice, Grades 3-4, Set 5

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? 22, 28, 34, 40, ?
3 pts

(A) 43 (B) 44 (C) 46 (D) 48 (E) 50

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**2.** Using each of the digits 7, 0 and 3 exactly once, what is the smallest 3-digit number you can make?
3 pts

(A) 307 (B) 316 (C) 370 (D) 703 (E) 730

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**3.** 45 children go on a trip. Each van can take 6 children. What is the smallest number of vans they need?
4 pts

(A) 6 (B) 7 (C) 8 (D) 9 (E) 10

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**4.** Today is Friday. What day of the week will it be in 30 days?
4 pts

(A) Wednesday (B) Saturday (C) Monday (D) Sunday (E) Tuesday

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**5.** A straight fence is 24 m long. There is a post every 3 m, including one at each end. How many posts are there?
5 pts

(A) 7 (B) 8 (C) 9 (D) 10 (E) 11

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**6.** A farm has only chickens and cows. Together they have 8 heads and 20 legs. How many cows are there?
5 pts

(A) 1 (B) 2 (C) 3 (D) 5 (E) 6

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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) 46**

The numbers go up by 6 each time: 40 + 6 = 46.

**2.** **(A) 307**

A 3-digit number cannot start with 0, so start with 3, then 0, then 7: 307.

**3.** **(C) 8**

45 / 6 = 7 with 3 left over, and those children need one more van: 8.

**4.** **(D) Sunday**

Every 7 days it is Friday again. 30 = 4 x 7 + 2, so count 2 days on from Friday: Sunday.

**5.** **(C) 9**

24 / 3 = 8 gaps, and there is always one more post than gaps: 9.

**6.** **(B) 2**

If all 8 animals were chickens there would be 16 legs. The extra 4 legs come from cows, 2 extra legs each, so there are 2 cows.