

Kangaroo-Style Math Practice, Grades 3-4, Set 1

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? 4, 8, 16, 32, ?

3 pts

(A) 36 (B) 61 (C) 64 (D) 66 (E) 69

- 2.** Aria buys 5 books that cost \$9 each and pays with a \$50 bill. How much change does Aria get?

3 pts

(A) \$0 (B) \$5 (C) \$15 (D) \$41 (E) \$45

- 3.** I think of a number. I add 4, then multiply the result by 4, and get 60. What was my number?

4 pts

(A) 10 (B) 11 (C) 12 (D) 15 (E) 44

- 4.** Using each of the digits 7, 0 and 8 exactly once, what is the biggest 3-digit number you can make?

4 pts

(A) 708 (B) 780 (C) 807 (D) 870 (E) 880

- 5.** At a party, 6 friends meet. Each friend shakes hands once with every other friend. How many handshakes are there?

5 pts

(A) 12 (B) 15 (C) 16 (D) 21 (E) 30

- 6.** A straight fence is 35 m long. There is a post every 5 m, including one at each end. How many posts are there?

5 pts

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

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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) 64**

Each number is double the one before: $32 \times 2 = 64$.

2. **(B) \$5**

The books cost $5 \times \$9 = \45 , so the change is $\$50 - \$45 = \$5$.

3. **(B) 11**

Work backwards: $60 \div 4 = 15$, then $15 - 4 = 11$.

4. **(D) 870**

Put the biggest digit first, then 7, and 0 last: 870.

5. **(B) 15**

Each of the 6 friends shakes 5 hands, which counts every handshake twice: $6 \times 5 \div 2 = 15$.

6. **(C) 8**

$35 \div 5 = 7$ gaps, and there is always one more post than gaps: 8.