

Kangaroo-Style Math Practice, Grades 3-4, Set 7

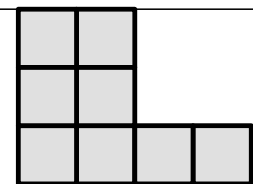
Name: _____ Date: _____

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.** Sofia buys 5 books that cost \$7 each and pays with a \$50 bill. How much change does Sofia get?
3 pts

(A) \$10 (B) \$15 (C) \$25 (D) \$35 (E) \$43

- 2.** The shape is made of squares with sides of 1 cm.
3 pts What is its perimeter?



side = 1 cm

(A) 8 cm (B) 12 cm (C) 14 cm (D) 16 cm (E) 32 cm

- 3.** I think of a number. I add 8, then multiply the result by 2, and get 40. What was my number?
4 pts

(A) 11 (B) 12 (C) 13 (D) 20 (E) 24

- 4.** Using each of the digits 7, 0 and 5 exactly once, what is the smallest 3-digit number you can make?
4 pts

(A) 507 (B) 516 (C) 570 (D) 705 (E) 750

- 5.** A straight fence is 25 m long. There is a post every 5 m, including one at each end. How many posts are there?
5 pts

(A) 4 (B) 5 (C) 6 (D) 7 (E) 8

- 6.** Same shapes stand for the same number. What number is the circle?
5 pts

$$\square + \square + \square = 18$$

$$\square + \star = 12$$

$$\star + \bigcirc + \bigcirc = 10$$

(A) 1 (B) 2 (C) 3 (D) 4 (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. **(B) \$15**

The books cost $5 \times \$7 = \35 , so the change is $\$50 - \$35 = \$15$.

2. **(C) 14 cm**

Walk around the outside: there are 14 square sides on the edge, each 1 cm long, so $14 \times 1 = 14$ cm.

3. **(B) 12**

Work backwards: $40 / 2 = 20$, then $20 - 8 = 12$.

4. **(A) 507**

A 3-digit number cannot start with 0, so start with 5, then 0, then 7: 507.

5. **(C) 6**

$25 / 5 = 5$ gaps, and there is always one more post than gaps: 6.

6. **(B) 2**

Square = $18 / 3 = 6$. Then star = $12 - 6 = 6$. Two circles = $10 - 6 = 4$, so the circle is 2.