

Kangaroo-Style Math Practice, Grades 5-6, 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.

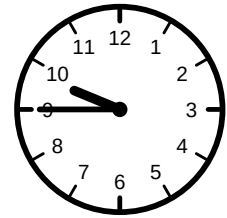
- 1.** I think of a number. I add 2, then multiply the result by 4, and get 44. What was my number?
3 pts

(A) 8 (B) 9 (C) 10 (D) 11 (E) 36

- 2.** Aria buys 6 books that cost \$4 each and pays with a \$50 bill. How much change does Aria get?
3 pts

(A) \$21 (B) \$24 (C) \$26 (D) \$36 (E) \$46

- 3.** A movie starts at the time shown on the clock and lasts 2 hours 25 minutes. At what time does it end?
4 pts



(A) 12:10 (B) 1:10 (C) 12:55 (D) 12:25 (E) 11:10

- 4.** What number comes next? 1, 4, 8, 13, 19, ?
4 pts

(A) 21 (B) 25 (C) 26 (D) 27 (E) 31

- 5.** Today is Tuesday. What day of the week will it be in 63 days?
5 pts

(A) Monday (B) Thursday (C) Wednesday (D) Friday (E) Tuesday

- 6.** A book has 102 pages numbered 1, 2, 3, ... up to 102. How many digits are printed in all?
5 pts

(A) 189 (B) 198 (C) 204 (D) 207 (E) 208

Kangaroo-Style Math Practice, Grades 5-6, Set 6

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) 9**

Work backwards: $44 \div 4 = 11$, then $11 - 2 = 9$.

2. **(C) \$26**

The books cost $6 \times \$4 = \24 , so the change is $\$50 - \$24 = \$26$.

3. **(A) 12:10**

Start at 9:45, add 2 hours and then 25 minutes to reach 12:10.

4. **(C) 26**

The gaps grow by 1 each time (3, 4, 5, ...), so the next gap is 7 and $19 + 7 = 26$.

5. **(E) Tuesday**

Every 7 days it is Tuesday again. $63 = 9 \times 7 + 0$, so count 0 days on from Tuesday: Tuesday.

6. **(B) 198**

Pages 1-9 use 9 digits, pages 10-99 use 180 and pages 100-102 use 9: 198 digits.