

CAT4 for Grade 5

Number Analogies

1. The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[9 → 3][6 → 2][12 → ?]

Select one:

- a. 4
- b. 5
- c. 9
- d. 6
- e. 12

2. The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[8 → 14][1 → 7][7 → ?]

Select one:

- a. 5
- b. 0
- c. 6
- d. 15
- e. 13

3.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[18 → 26][11 → 19][1 → ?]

Select one:

- a. 80
- b. 18
- c. 9
- d. 90
- e. 8

4.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[15 → 10][11 → 6][5 → ?]

Select one:

- a. 0
- b. 1
- c. 2
- d. 3
- e. 4

5.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[2 → 4][3 → 6][5 → ?]

Select one:

- a. 2
- b. 10
- c. 20
- d. 11
- e. 15

6.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[8 → 40][25 → 125][45 → ?]

Select one:

- a. 5
- b. 200
- c. 225
- d. 252
- e. 500

7.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[30 → 15][38 → 19][14 → ?]

Select one:

- a. 7
- b. 6
- c. 5
- d. 4
- e. 3

8.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[98 → 53][198 → 153][45 → ?]

Select one:

- a. 150
- b. 140
- c. 0
- d. 45
- e. 40

9.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[5 → 0][15 → 10][20 → ?]

Select one:

- a. 5
- b. 10
- c. 15
- d. 20
- e. 25

10.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[60 → 20][27 → 9][597 → ?]

Select one:

- a. 100
- b. 999
- c. 190
- d. 150
- e. 199

11.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[12 → 2][18 → 3][24 → ?]

Select one:

- a. 4
- b. 40
- c. 6
- d. 5
- e. 8

12.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[45 → 5][55 → 15][65 → ?]

Select one:

- a. 5
- b. 25
- c. 15
- d. 9
- e. 20

13.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[20 → 200][35 → 350][55 → ?]

Select one:

- a. 500
- b. 505
- c. 550
- d. 200
- e. 10

14.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[1 → 4][12 → 48][10 → ?]

Select one:

- a. 40
- b. 400
- c. 4
- d. 440
- e. 44

15.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[30 → 30][15 → 15][130 → ?]

Select one:

- a. 100
- b. 131
- c. 130
- d. 135
- e. 1300

16.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[7 → 70][2 → 20][98 → ?]

Select one:

- a. 98
- b. 89
- c. 900
- d. 980
- e. 10

17.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[98 → 49][38 → 19][2 → ?]

Select one:

- a. 1
- b. 2
- c. 3
- d. 4
- e. 5

18.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[11 → 6][31 → 26][51 → ?]

Select one:

- a. 5
- b. 46
- c. 64
- d. 60
- e. 30

19.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[1 → 4][6 → 24][31 → ?]

Select one:

- a. 30
- b. 100
- c. 124
- d. 4
- e. 142

20.

The first two pairs of numbers are related in some way. Figure out what the relationship is between the numbers within each of the pairs. Choose an answer that creates a third pair of numbers that are related to each other in the same way that the first two pairs are related.

[8 → 0][30 → 0][0 → ?]

Select one:

- a. 100
- b. 1
- c. 20
- d. 11
- e. 0

Key

1-5: AECAB

6-10: CACCE

11-15 : ABCAC

16-20 : DABCE