

## CAT4 for Grade 7

### Number Series

1. Choose the right number below that follows the rule of the given number series.

$$\frac{13}{20}, \frac{12}{19}, \frac{11}{18}, \frac{10}{17}, \text{ —— }$$

Select one:

a.  $\frac{9}{16}$

b.  $\frac{16}{9}$

c.  $\frac{8}{16}$

d.  $\frac{8}{11}$

e.  $\frac{8}{3}$

2. Choose the right number below that follows the rule of the given number series.

$$\frac{1}{3}, \frac{1}{6}, \frac{2}{12}, \frac{3}{24}, \frac{5}{48}, \text{ —— }$$

Select one:

a.  $\frac{8}{96}$

b.  $\frac{6}{84}$

c.  $\frac{7}{86}$

d.  $\frac{8}{98}$

e.  $\frac{9}{84}$

3.

Choose the right number below that follows the rule of the given number series.

$\frac{288}{640}$ ,  $\frac{144}{320}$ ,  $\frac{72}{160}$ ,  $\frac{36}{80}$ ,  $\frac{18}{40}$ , \_\_\_\_\_

Select one:

a.  
 $\frac{16}{20}$

b.  
 $\frac{20}{24}$

c.  
 $\frac{9}{20}$

d.  
 $\frac{10}{20}$

e.  
 $\frac{10}{24}$

4.

Choose the right number below that follows the rule of the given number series.

3140 314 31.4 3.14 0.314 \_\_\_\_\_

Select one:

a. 0.241

b. 0.00314

c. 0.0314

d. 0.0214

e. 0.0341

5.

Choose the right number below that follows the rule of the given number series.

0.01357 0.1357 1.357 13.57 135.7 \_\_\_\_\_

Select one:

- a. 1537
- b. 15370
- c. 1357
- d. 13570
- e. 149.27

6.

Choose the right number below that follows the rule of the given number series.

2.143 2 3.143 3 4.143 \_\_\_\_\_

Select one:

- a. 5
- b. 6
- c. 4
- d. 3
- e. 9

7.

Choose the right number below that follows the rule of the given number series.

16.86 17 15.86 16 14.86 \_\_\_\_\_

Select one:

- a. 15
- b. 16
- c. 14
- d. 13
- e. 19

8.

Choose the right number below that follows the rule of the given number series.

30 5 60 10 120 \_\_\_\_\_

Select one:

- a. 20
- b. 15
- c. 30
- d. 130
- e. 110

9.

Choose the right number below that follows the rule of the given number series.

3 -18 108 -648 3888 \_\_\_\_\_

Select one:

- a. -32328
- b. -23328
- c. -23320
- d. -23230
- e. -22330

10.

Choose the right number below that follows the rule of the given number series.

131 140 153 131 140 \_\_\_\_\_

Select one:

- a. 151
- b. 152
- c. 153
- d. 154
- e. 155

11. Choose the right number below that follows the rule of the given number series.

$\frac{1}{2}$ ,  $\frac{4}{8}$ ,  $\frac{16}{32}$ ,  $\frac{64}{128}$ ,  $\frac{256}{512}$ ,

Select one:

a.  
 $\frac{1024}{2048}$

b.  
 $\frac{1042}{2084}$

c.  
 $\frac{2042}{4820}$

d.  
 $\frac{512}{1042}$

e.  
 $\frac{521}{1024}$

12. Choose the right number below that follows the rule of the given number series.

314.01 31.401 3.1401 0.31401 0.031401 \_\_\_\_\_

Select one:

a. 0.0241101

b. 0.0031401

c. 0.0031410

d. 0.0214010

e. 0.1034101

13. Choose the right number below that follows the rule of the given number series.

5 15 13 39 37 \_\_\_\_\_

Select one:

a. 111

b. 112

c. 113

d. 114

e. 115

14. Choose the right number below that follows the rule of the given number series.  
100 120 60 80 40 \_\_\_\_\_

Select one:

- a. 30
- b. 40
- c. 50
- d. 60
- e. 70

15. Choose the right number below that follows the rule of the given number series.  
11 16 19 24 27 \_\_\_\_\_

Select one:

- a. 30
- b. 31
- c. 32
- d. 33
- e. 34

16. Choose the right number below that follows the rule of the given number series.  
729 -243 81 -27 9 \_\_\_\_\_

Select one:

- a. -6
- b. -8
- c. -3
- d. -2
- e. -5

17. Choose the right number below that follows the rule of the given number series.

$$\frac{5}{3}, \frac{8}{6}, \frac{11}{9}, \frac{14}{12}, \frac{17}{15}, \text{ ———}$$

Select one:

a.  $\frac{16}{20}$

b.  $\frac{19}{20}$

c.  $\frac{21}{20}$

d.  $\frac{20}{18}$

e.  $\frac{19}{18}$

18. Choose the right number below that follows the rule of the given number series.

$$\frac{8000}{512}, \frac{4000}{256}, \frac{2000}{128}, \frac{1000}{64}, \frac{500}{32}, \text{ ———}$$

Select one:

a.  $\frac{125}{8}$

b.  $\frac{250}{16}$

c.  $\frac{250}{8}$

d.  $\frac{32}{120}$

e.  $\frac{32}{121}$

19. Choose the right number below that follows the rule of the given number series.

7.142   7   9.142   9   11.142   \_\_\_\_\_

Select one:

a. 10

b. 11

c. 12

d. 13

e. 14

20. Choose the right number below that follows the rule of the given number series.

3   7   14   18   36   \_\_\_\_\_

Select one:

a. 60

b. 50

c. 40

d. 45

e. 48

**Key**

1-5: AACCC

6-10: CAABC

11-15 : ABADC

16-20 : CDBBC