

APTITUDE - WEEK 1

[NUMBER SERIES]

①

2, 1, $(\frac{1}{2})$, $(\frac{1}{4})$, ?

a) $\frac{1}{3}$

b) $\frac{1}{8}$

c) $\frac{2}{8}$

d) $\frac{1}{16}$

Solution

2 $\xrightarrow{\frac{1}{2}}$ 1 $\xrightarrow{\frac{1}{2}}$ $\frac{1}{2}$ $\xrightarrow{\frac{1}{2}}$ $\frac{1}{4}$ $\xrightarrow{\frac{1}{2}}$ $(\frac{1}{8})$

② 7, 10, 8, 11, 9, 12, ?

a) 7

b) 10

c) 12

d) 13

7 $\xrightarrow{+3}$ 10 $\xrightarrow{-2}$ 8 $\xrightarrow{+3}$ 11 $\xrightarrow{-2}$ 9 $\xrightarrow{+3}$ 12 $\xrightarrow{-2}$? \Rightarrow 10

③ 36, 34, 30, 28, 24, ?

a) 20

b) 22

c) 23

d) 26

36 $\xrightarrow{-2}$ 34 $\xrightarrow{-4}$ 30 $\xrightarrow{-2}$ 28 $\xrightarrow{-4}$ 24 $\xrightarrow{-2}$? \Rightarrow 22

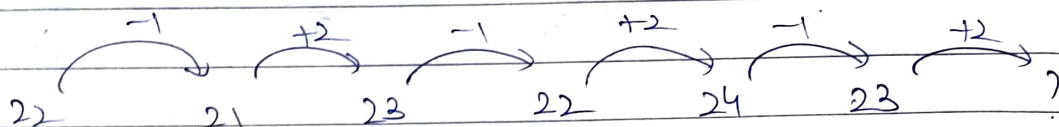
④ 22, 21, 23, 22, 24, 23, ... ?

a) 22

b) 24

☒ c) 25

d) 26



\Rightarrow 25

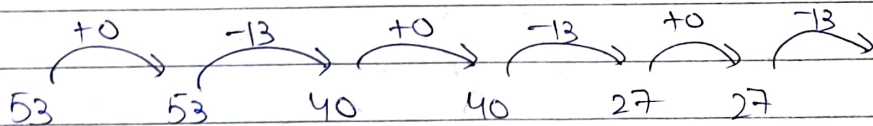
⑤ 53, 53, 40, 40, 27, 27, ... ?

a) 12

☒ b) 14

c) 27

d) 53



\Rightarrow 14

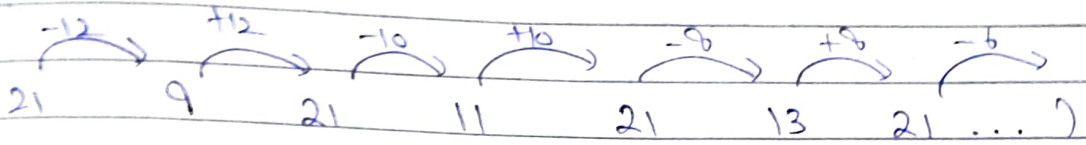
⑥ 21, 9, 21, 11, 21, 13, 21, ... ?

a) 14

☒ b) 15

c) 21

d) 23


 \Rightarrow 15

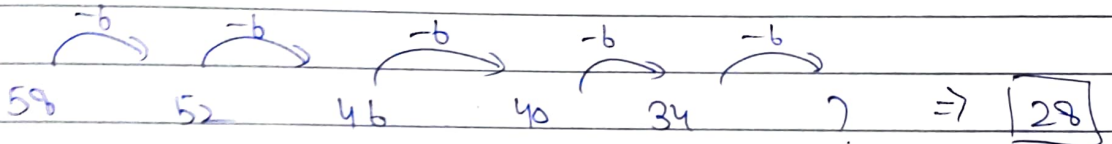
⑦ 58, 52, 46, 40, 34, ?

a) 26

✓ b) 28

c) 30

d) 32



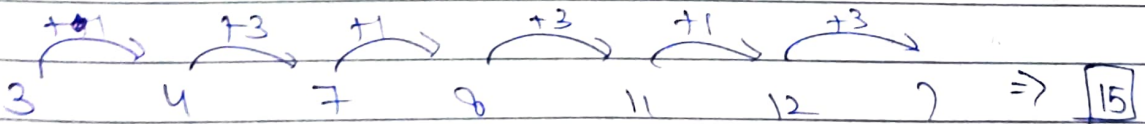
⑧ 3, 4, 7, 8, 11, 12, ?

a) 7

b) 10

c) 14

✓ d) 15



⑨ 8, 22, 8, 28, 8, ... ?

a) 9

b) 29

c) 32

✓ d) 34

$$8 \xrightarrow{+14} 22 \xrightarrow{-14} 8 \xrightarrow{+20} 28 \xrightarrow{-20} 8 \xrightarrow{+26} ? \Rightarrow \boxed{34}$$

10) 31, 29, 24, 22, 17, ?

- a) 15
- b) 14
- c) 13
- d) 12

$$31 \xrightarrow{-2} 29 \xrightarrow{-5} 24 \xrightarrow{-2} 22 \xrightarrow{-5} 17 \xrightarrow{-2} ? \Rightarrow \boxed{15}$$

11) 1.5, 2.3, 3.1, 3.9, ?

- a) 4.2
- b) 4.4
- ☒ c) 4.7
- d) 5.1

$$1.5 \xrightarrow{+0.8} 2.3 \xrightarrow{+0.8} 3.1 \xrightarrow{+0.8} 3.9 \xrightarrow{+0.8} 4.7$$