

Worksheet

01/11/2022

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Problem quickname: 8518

1)

Fill all the blank boxes as shown in example a).

Quick:
8518

- a) Rule:
 $\xrightarrow{+2}$ 8 \rightarrow 10 \rightarrow 12 \rightarrow 14 \rightarrow 16 \rightarrow 18 \rightarrow 20
- b) Rule:
 $\xrightarrow{-1}$ 18 \rightarrow 17 \rightarrow 16 \rightarrow 15 \rightarrow 14 \rightarrow 13 \rightarrow 12
- c) Rule:
 $\xrightarrow{-1}$ 13 \rightarrow 12 \rightarrow 11 \rightarrow 10 \rightarrow 9 \rightarrow 8 \rightarrow 7
- d) Rule:
 $\xrightarrow{+2}$ 12 \rightarrow 14 \rightarrow 16 \rightarrow 18 \rightarrow 20 \rightarrow 22 \rightarrow 24
- e) Rule:
 $\xrightarrow{+3}$ 15 \rightarrow 18 \rightarrow 21 \rightarrow 24 \rightarrow 27 \rightarrow 30 \rightarrow 33
- f) Rule:
 $\xrightarrow{-1}$ 15 \rightarrow 14 \rightarrow 13 \rightarrow 12 \rightarrow 11 \rightarrow 10 \rightarrow 9
- g) Rule:
 $\xrightarrow{-2}$ 22 \rightarrow 20 \rightarrow 18 \rightarrow 16 \rightarrow 14 \rightarrow 12 \rightarrow 10
- h) Rule:
 $\xrightarrow{+2}$ 14 \rightarrow 16 \rightarrow 18 \rightarrow 20 \rightarrow 22 \rightarrow 24 \rightarrow 26
- i) Rule:
 $\xrightarrow{+1}$ 14 \rightarrow 15 \rightarrow 16 \rightarrow 17 \rightarrow 18 \rightarrow 19 \rightarrow 20
- j) Rule:
 $\xrightarrow{-1}$ 17 \rightarrow 16 \rightarrow 15 \rightarrow 14 \rightarrow 13 \rightarrow 12 \rightarrow 11

2)

Fill all the blank boxes as shown in example a).

Quick:
8518

- a) Rule:
 $\xrightarrow{+1}$ 17 \rightarrow 18 \rightarrow 19 \rightarrow 20 \rightarrow 21 \rightarrow 22 \rightarrow 23
- b) Rule:
 $\xrightarrow{-1}$ 17 \rightarrow 16 \rightarrow 15 \rightarrow 14 \rightarrow 13 \rightarrow 12 \rightarrow 11
- c) Rule:
 $\xrightarrow{-3}$ 32 \rightarrow 29 \rightarrow 26 \rightarrow 23 \rightarrow 20 \rightarrow 17 \rightarrow 14

d) Rule:
 $\xrightarrow{+3}$ 10 \rightarrow 13 \rightarrow 16 \rightarrow 19 \rightarrow 22 \rightarrow 25 \rightarrow 28

e) Rule:
 $\xrightarrow{+3}$ 15 \rightarrow 18 \rightarrow 21 \rightarrow 24 \rightarrow 27 \rightarrow 30 \rightarrow 33

f) Rule:
 $\xrightarrow{-1}$ 23 \rightarrow 22 \rightarrow 21 \rightarrow 20 \rightarrow 19 \rightarrow 18 \rightarrow 17

g) Rule:
 $\xrightarrow{-2}$ 30 \rightarrow 28 \rightarrow 26 \rightarrow 24 \rightarrow 22 \rightarrow 20 \rightarrow 18

h) Rule:
 $\xrightarrow{+2}$ 18 \rightarrow 20 \rightarrow 22 \rightarrow 24 \rightarrow 26 \rightarrow 28 \rightarrow 30

i) Rule:
 $\xrightarrow{+2}$ 10 \rightarrow 12 \rightarrow 14 \rightarrow 16 \rightarrow 18 \rightarrow 20 \rightarrow 22

j) Rule:
 $\xrightarrow{-2}$ 27 \rightarrow 25 \rightarrow 23 \rightarrow 21 \rightarrow 19 \rightarrow 17 \rightarrow 15

3)

Fill all the blank boxes as shown in example a).

a) Rule:
 $\xrightarrow{+1}$ 9 \rightarrow 10 \rightarrow 11 \rightarrow 12 \rightarrow 13 \rightarrow 14 \rightarrow 15

b) Rule:
 $\xrightarrow{-2}$ 23 \rightarrow 21 \rightarrow 19 \rightarrow 17 \rightarrow 15 \rightarrow 13 \rightarrow 11

c) Rule:
 $\xrightarrow{-3}$ 36 \rightarrow 33 \rightarrow 30 \rightarrow 27 \rightarrow 24 \rightarrow 21 \rightarrow 18

d) Rule:
 $\xrightarrow{+1}$ 22 \rightarrow 23 \rightarrow 24 \rightarrow 25 \rightarrow 26 \rightarrow 27 \rightarrow 28

e) Rule:
 $\xrightarrow{+3}$ 13 \rightarrow 16 \rightarrow 19 \rightarrow 22 \rightarrow 25 \rightarrow 28 \rightarrow 31

f) Rule:
 $\xrightarrow{-2}$ 24 \rightarrow 22 \rightarrow 20 \rightarrow 18 \rightarrow 16 \rightarrow 14 \rightarrow 12

g) Rule:
 $\xrightarrow{-2}$ 30 \rightarrow 28 \rightarrow 26 \rightarrow 24 \rightarrow 22 \rightarrow 20 \rightarrow 18

h) Rule:
 $\xrightarrow{+2}$ 15 \rightarrow 17 \rightarrow 19 \rightarrow 21 \rightarrow 23 \rightarrow 25 \rightarrow 27

i) Rule:
 $\xrightarrow{+3}$ 8 \rightarrow 11 \rightarrow 14 \rightarrow 17 \rightarrow 20 \rightarrow 23 \rightarrow 26

j) Rule:
 $\xrightarrow{-1}$ 19 \rightarrow 18 \rightarrow 17 \rightarrow 16 \rightarrow 15 \rightarrow 14 \rightarrow 13

Quick:
8518

4)

Fill all the blank boxes.

a) Rule:
 $\xrightarrow{+2}$ 73 \rightarrow 75 \rightarrow 77 \rightarrow 79 \rightarrow 81 \rightarrow 83

b) Rule:
 $\xrightarrow{-8}$ 96 \rightarrow 88 \rightarrow 80 \rightarrow 72 \rightarrow 64 \rightarrow 56

c) Rule:
 $\xrightarrow{-9}$ 74 \rightarrow 65 \rightarrow 56 \rightarrow 47 \rightarrow 38 \rightarrow 29

d) Rule:
 $\xrightarrow{+6}$ 41 \rightarrow 47 \rightarrow 53 \rightarrow 59 \rightarrow 65 \rightarrow 71

e) Rule:
 $\xrightarrow{+2}$ 35 \rightarrow 37 \rightarrow 39 \rightarrow 41 \rightarrow 43 \rightarrow 45

Good Luck!