

SEQUENCES

A PERIODIC SEQUENCE

A.1 FINDING THE NEXT SHAPE IN THE PATTERN 1-1

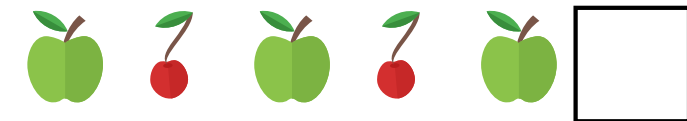
MCQ 1:



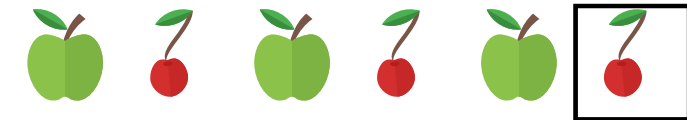
Answer:



MCQ 2:



Answer:



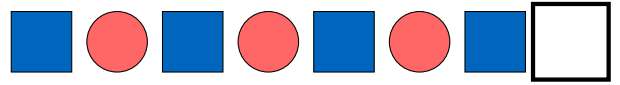
MCQ 3:



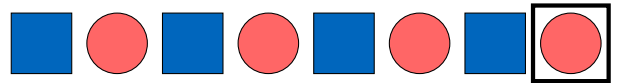
Answer:



MCQ 4:



Answer:



A.2 FINDING THE NEXT SHAPE IN THE PATTERN 1-1-1

MCQ 5:



Answer:



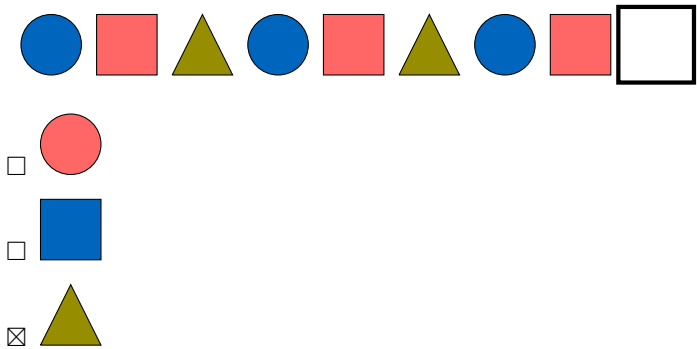
MCQ 6:



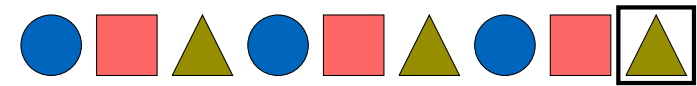
Answer:



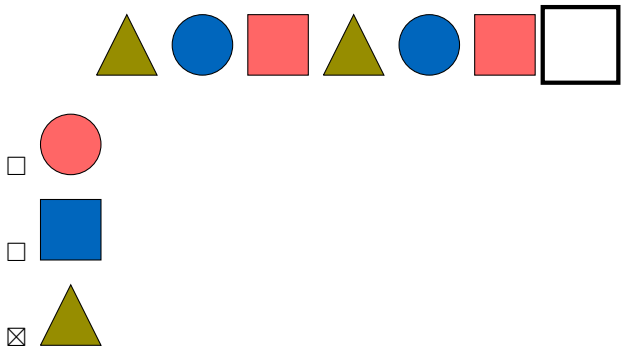
MCQ 7:



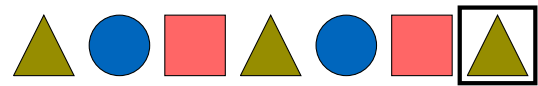
Answer:



MCQ 8:

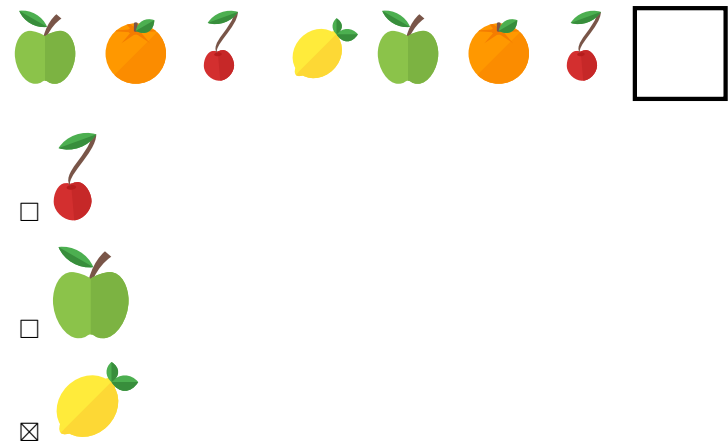


Answer:



A.3 FINDING THE NEXT SHAPE IN THE PATTERN
1-1-1-1

MCQ 9:



Answer:



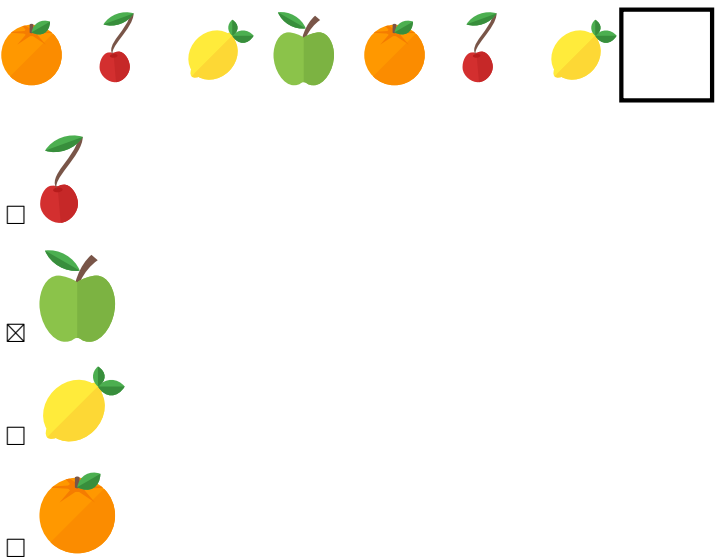
MCQ 10:



Answer:



MCQ 11:

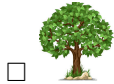


Answer:



MCQ 12:





Answer:



A.4 FINDING THE NEXT SHAPE IN THE PATTERN 2-1

MCQ 13:



Answer:



MCQ 14:



Answer:



MCQ 15:



Answer:



MCQ 16:



Answer:



B NUMERICAL SEQUENCE

B.1 FINDING THE NEXT NUMBER

Ex 17:

0, 1, 2, 3, 4, 5.

Answer:

$\begin{array}{ccccccc} & +1 & +1 & +1 & +1 & & \\ & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & & \\ 1 & , & 2 & , & 3 & , & 4 & , & \boxed{5} \end{array}$

Ex 18:

7, 6, 5, 4, 3.

Answer:

$\begin{array}{ccccccc} & -1 & -1 & -1 & -1 & & \\ & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & & \\ 7 & , & 6 & , & 5 & , & 4 & , & \boxed{3} \end{array}$

Ex 19:

0, 2, 4, 6, 8.

Answer:

$\begin{array}{ccccccc} & +2 & +2 & +2 & +2 & & \\ & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & & \\ 0 & , & 2 & , & 4 & , & 6 & , & \boxed{8} \end{array}$

Ex 20:

1, 3, 5, 7, 9.

Answer:

$\begin{array}{ccccccc} & +2 & +2 & +2 & +2 & & \\ & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & & \\ 1 & , & 3 & , & 5 & , & 7 & , & \boxed{9} \end{array}$

Ex 21:

$$10, 8, 6, 4, \boxed{2}.$$

Answer:

$$\begin{array}{ccccccc} & -2 & & -2 & & -2 & & -2 \\ & \curvearrowright & & \curvearrowright & & \curvearrowright & & \curvearrowright \\ 10 & , & 8 & , & 6 & , & 4 & , & \boxed{2} \end{array}$$

Ex 22:

$$0, 5, 10, 15, \boxed{20}.$$

Answer:

$$\begin{array}{ccccccc} & +5 & & +5 & & +5 & & +5 \\ & \curvearrowright & & \curvearrowright & & \curvearrowright & & \curvearrowright \\ 0 & , & 5 & , & 10 & , & 15 & , & \boxed{20} \end{array}$$

Ex 23:

$$1, 4, 7, 10, \boxed{13}.$$

Answer:

$$\begin{array}{ccccccc} & +3 & & +3 & & +3 & & +3 \\ & \curvearrowright & & \curvearrowright & & \curvearrowright & & \curvearrowright \\ 1 & , & 4 & , & 7 & , & 10 & , & \boxed{13} \end{array}$$

Ex 24:

$$0, 4, 8, 12, \boxed{16}.$$

Answer:

$$\begin{array}{ccccccc} & +4 & & +4 & & +4 & & +4 \\ & \curvearrowright & & \curvearrowright & & \curvearrowright & & \curvearrowright \\ 0 & , & 4 & , & 8 & , & 12 & , & \boxed{16} \end{array}$$

Ex 25:

$$20, 17, 14, 11, \boxed{8}.$$

Answer:

$$\begin{array}{ccccccc} & -3 & & -3 & & -3 & & -3 \\ & \curvearrowright & & \curvearrowright & & \curvearrowright & & \curvearrowright \\ 20 & , & 17 & , & 14 & , & 11 & , & \boxed{8} \end{array}$$