

۱- گزینه‌ی «۴» [۲۴]

$$\text{رابطه‌ی الگو: } \frac{2 \times \text{شماره‌ی عدد}}{1 - \text{شماره‌ی عدد} \times 4} \rightarrow \text{جمله‌ی بیستم: } \frac{20 \times 2}{80 - 1} = \frac{40}{79} \xrightarrow{\text{معکوس}} \frac{79}{40} = 1 \frac{39}{40}$$

۲- گزینه‌ی «۳» [۲۲]

$$\frac{7}{12} < \frac{2}{3}$$

$$\frac{7}{12} < \frac{3}{4}$$

۳- عتا [۱۶] و [۲۰]

$$3 \frac{1}{2}, 3 \frac{2}{4}, 3 \frac{4}{5}$$

$$3 \frac{1}{4}, 3 \frac{2}{5}$$

$$3 \frac{1}{5}$$

۴- [۲۳]

$$\frac{2}{1} \times \frac{5}{5} = 10 \quad \frac{2}{4} \times 30 = \frac{90}{4} = 22 \frac{2}{4}$$

$$22 \frac{2}{4} - 10 = \frac{90}{4} - \frac{40}{4} = \frac{50}{4}$$

۵- [۲۳] و [۲۸]

$$\frac{17 \times \frac{5}{26} \div \frac{17}{13} \times 10}{\frac{17}{26} \times 26} = \frac{17 \times 5}{13 \times 26} \div \frac{17 \times 10}{13 \times 26} = \frac{\cancel{17} \times 5}{13 \times \cancel{26}} \div \frac{\cancel{17} \times 10}{13 \times \cancel{26}} = \frac{5}{13} \times \frac{13}{10} = \frac{1}{2}$$

۶- [۱۹] و [۲۳]

$$\blacksquare: 2 \frac{1}{2} \times \frac{1}{5} = \frac{5}{2} \times \frac{1}{5} = \frac{1}{2}$$

$$\bullet: \frac{1}{5} \times 20 = 4$$

$$\blacktriangle: 20 \times 2 \frac{1}{2} = 20 \times \frac{5}{2} = 50$$

۷- [۱۸] و [۲۳]

$$\text{الف) } \left(\frac{3}{5} + \frac{1}{7}\right) \times \left(\frac{1}{2} + \frac{7}{3}\right) = \left(\frac{21+5}{35}\right) \times \left(\frac{3+14}{6}\right) = \frac{26}{35} \times \frac{17}{6} = \frac{13 \times 17}{35 \times 3} = \frac{91}{105} \text{ زرد}$$

$$\text{ب) } \frac{1}{6} < \frac{2}{6} < \frac{4}{6} < \frac{9}{12} < \frac{5}{6}$$

سبز سبز آبی

۸- [۱۸] و [۳۰]

$$\frac{\left(\frac{7}{3} + 9\right) \times \frac{4}{5}}{\left(\frac{13}{4} - \frac{1}{4}\right) - \frac{1}{3}} = \frac{\overset{34}{\left(\frac{7+27}{3}\right)} \times \frac{4}{5}}{\frac{5}{4} - \frac{1}{3}} = \frac{34 \times 4}{3 \times 5} = \frac{136}{15} = \frac{136 \times 4}{15 \times 4} = \frac{544}{60} = \frac{136}{15}$$

۹ - $\frac{1}{12}$ خالی است. [۳۱]

	چو
گندم	یونجه
	کلم

گندم