

## إجابة الفصل (21)

$$\frac{90}{100} \quad (\text{ب})$$

$$\frac{1}{10} \quad (\text{أ})$$

$$\frac{2}{4} \quad (\text{جـ 2})$$

$$2 \quad (\text{جـ 2}) \quad 2 \frac{1}{5} \quad (\text{ب}) \quad 1 \frac{3}{4} \quad (\text{أ}) \quad (\text{جـ 3})$$

$$\frac{30}{7} \quad (\text{جـ 3}) \quad \frac{23}{6} \quad (\text{ب}) \quad \frac{9}{4} \quad (\text{أ}) \quad (\text{جـ 4})$$

## إجابة الفصل (22)

$$\text{متكافئان} \quad (\text{أ}) \quad (\text{جـ 1})$$

$$1 \quad (\text{ب})$$

$$\text{(ب) كسران غير متكافئان} \quad \text{(أ) كسران متكافئان} \quad (\text{جـ 2})$$

$$(\text{جـ 3})$$

$$\frac{5}{9} = \frac{10}{18} \quad (\text{ب})$$

$$\frac{6}{8} = \frac{3}{4} \quad (\text{أ})$$

$$\frac{2}{4} = \frac{1}{2} \quad (\text{جـ})$$

جـ (4)

$$\frac{1}{2} = \frac{9}{18} \quad (\text{ب})$$

$$\frac{1}{3} = \frac{2}{6} \quad (\text{أ})$$

$$\frac{1}{4} = \frac{10}{40} \quad (\text{ج})$$

جـ (5)

$$\frac{1}{8} = \frac{1}{4} \quad (\text{ب})$$

$$\frac{1}{6} = \frac{6}{24} \quad (\text{أ})$$

$$\frac{9}{9} > \frac{4}{5} \quad (\text{د})$$

$$\frac{3}{5} < \frac{2}{3} \quad (\text{ج})$$

$$1 > \frac{4}{5}$$

$$\frac{9}{15} < \frac{10}{15}$$

جـ (6)

$$\frac{7}{12}, \frac{6}{12}, \frac{10}{12} \quad (\text{أ})$$

$$\frac{1}{2}, \frac{7}{12}, \frac{5}{6} \quad \text{الترتيب}$$

$$\frac{6}{10}, \frac{3}{10}, \frac{5}{10} \quad (\text{ب})$$

$$\frac{3}{10}, \frac{5}{10}, \frac{3}{5} \quad \text{الترتيب}$$

جـ (7)

$$\frac{6}{9} , \frac{8}{9} , \frac{2}{9} \quad (\text{أ})$$

$$\frac{8}{9} , \frac{2}{3} , \frac{2}{9} \quad \text{الترتيب}$$

$$\frac{3}{15} , \frac{12}{15} , \frac{6}{15} \quad (\text{ب})$$

$$\frac{4}{5} , \frac{2}{5} , \frac{3}{15} \quad \text{الترتيب}$$

جـ (8)

$$9 = 3 \times 3$$

$$3 = 4 \div 12 (\text{أ})$$

$$6 = 2 \times 3$$

$$3 = 5 \div 15 (\text{ب})$$

$$14 = 7 \times 2$$

$$2 = 9 \div 18 (\text{ج})$$

$$25 = 5 \times 5$$

$$5 = 6 \div 30 (\text{د})$$

### إجابة الفصل (23)

جـ (1)

$$\frac{1}{2} = \frac{2}{4} \quad (\text{ب})$$

$$1 = \frac{3}{3} \quad (\text{أ})$$

$$\frac{1}{2} = \frac{6}{12} \quad (\text{د})$$

$$\frac{6}{7} \quad (\text{ج})$$

جـ (2)

$$\frac{3}{8} = \frac{2}{8} + \frac{1}{8} \quad (\text{أ})$$

$$\frac{7}{12} = \frac{5}{12} + \frac{2}{12} \quad (\text{ب})$$

$$\frac{3}{10} = \frac{1}{10} + \frac{2}{10} \quad (\text{ج})$$

$$\frac{1}{2} = \frac{3}{6} = \frac{1}{6} + \frac{2}{6} \quad (\text{د})$$

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### إجابة الفصل (23)

جـ (1)

$$\frac{1}{5} \quad (\text{ب}) \qquad \frac{1}{2} = \frac{4}{8} \quad (\text{أ})$$

$$\frac{1}{2} = \frac{5}{10} = \frac{4}{10} - \frac{9}{10} \quad (\text{ج})$$

$$\frac{1}{4} = \frac{2}{4} - \frac{3}{4} \quad (\text{د})$$

$$\frac{1}{2} = \frac{3}{6} = \frac{1}{6} - \frac{4}{6} \quad (\text{هـ})$$

$$\frac{3}{4} = \frac{1}{4} - \frac{4}{4} \quad (\text{و})$$

$$\frac{7}{8} = \frac{1}{8} - \frac{8}{8} \quad (\text{ي})$$

$$\frac{11}{12} = \frac{1}{12} - \frac{12}{12} \quad (\text{د})$$

جـ (2) (أ)

$$\text{ساعة } \frac{3}{4} = \frac{1}{4} + \frac{2}{4} = \frac{1}{4} + \frac{1}{2} = \text{المدّة} \quad (\text{ب})$$

$$\text{ساعة } \frac{1}{4} = \frac{1}{4} - \frac{2}{4} = \frac{1}{4} - \frac{1}{2} = \text{الزيادة}$$

### إجابة الفصل (28)

التحقق

$$64 = 64 \times 1$$

$$92 = 28 + 64$$

ب 18 (أ)

$$\begin{array}{r} 18 \phantom{0} \\ \underline{64} \phantom{0} \\ 92 \end{array}$$

$$\begin{array}{r} 64 \\ \underline{\phantom{64}} \\ 28 \end{array} -$$

28

التحقق

$$490 = 7 \times 70$$

$$498 = 8 + 490$$

ب 8 (ب)

$$\begin{array}{r} 8 \phantom{0} \\ \underline{70} \phantom{0} \\ 498 \end{array}$$

$$\begin{array}{r} 490 \\ \underline{\phantom{490}} \\ 8 \end{array} -$$

التحقق

$$320 = 4 \times 80$$

$$3 = 6 + 320$$

ب 4

(ج)

$$\begin{array}{r} 80 \overline{) 326} \\ \underline{320} \phantom{-} \\ 6 \end{array}$$

26

6

ب 9

(د)

التحقق

$$369 = 9 \times 41$$

$$373 = 4 + 369$$

41

373

$$\begin{array}{r} 41 \overline{) 373} \\ \underline{369} \phantom{-} \\ 4 \end{array}$$

4

ب 4

(هـ)

التحقق

$$372 = 4 \times 93$$

$$375 = 3 + 372$$

93

375

$$\begin{array}{r} 93 \overline{) 375} \\ \underline{372} \phantom{-} \\ 3 \end{array}$$

3

ب 3

(و)

التحقق

68

218

$$204 = 3 \times 68$$

$$\underline{204 -}$$

$$218 = 14 + 204$$

$$14$$

### إجابة الفصل (29)

(أ) لعبة عادلة لانه توفر لكل لاعب الفرصة نفسها في تسجيل نقاط

(ب) لعبة غير عادلة لان للاعبين فرصتين غير متساويتين في تسجيل النقاط