

فرض مراجعة عدد 03 في الرياضيات سنة الثامنة مع  
الاصلاح

التمرين عدد 1:

أكمل بصواب أو خطأ

(أ)  $-\frac{7}{3} \in D_-$

(ب)  $\left|-\frac{1}{11}\right| = \left|\frac{2}{22}\right|$

(ج)  $-(-4) \in \mathbb{Z}^+$

(د)  $-|-3,4| = 3,4$

(هـ) 51380 يقبل القسمة على 8

(و)  $\frac{39}{52} + \left(-\frac{3}{4}\right) = 0$

(ز)  $-\frac{13}{19} > -\frac{13}{20}$

(ن)  $|-3,5+1,2| = |-3,5|+|1,2|$

التمرين الثاني:

احسب:

$$a = -5 \times 3 - 3 + 7 \times 10$$

$$b = -79 \times 131 + 31 \times 79$$

$$c = -7 + 3 \times 2 - (-7 + 3) \times 2$$

$$d = \frac{3}{4} \times \left(-\frac{14}{15}\right) \times \frac{30}{7} \times \left(-\frac{1}{6}\right)$$

$$e = -\frac{5}{7} - \frac{5}{7} \times \frac{14}{5}$$

التمرين الثالث:

$$A = \left(-\frac{5}{7}\right) \times \left(-\frac{21}{4}\right) \times \left(-\frac{2}{15}\right)$$

$$B = -\frac{11}{12} + \frac{1}{12} \times \left(-\frac{5}{3}\right) + \frac{5}{3}$$

$$C = \left(-\frac{3}{4} + 0,25\right) \left(-\frac{1}{3} + \frac{1}{2}\right)$$

$$D = -\frac{17}{13} \times \frac{41}{22} + \frac{41}{22} \times \left(-\frac{9}{13}\right)$$

# CORRECTION

## التمرين عدد 1:

(أ خطأ / ب صواب / ج صواب / د خطأ / هـ خطأ / و صواب / ز خطأ /  
ن خطأ

## التمرين الثاني:

$$a = -5 \times 3 - 3 + 7 \times 10 -$$

$$= -15 - 3 + 70 = -18 + 70 = 52$$

$$b = -79 \times 131 + 31 \times 79$$

$$= 79 \times (-131 + 31) = 79 \times (-100) = -7900$$

$$c = -7 + 3 \times 2 - (-7 + 3) \times 2$$

$$= -7 + 6 - (-4) \times 2$$

$$= -7 + 6 - (-8) = -7 + 6 + 8 = -7 + 14 = 7$$

$$d = \frac{3}{4} \times \left(-\frac{14}{15}\right) \times \frac{30}{7} \times \left(-\frac{1}{6}\right) = \frac{3 \times 14 \times 30}{4 \times 15 \times 7 \times 6}$$

$$= \frac{3 \times 7 \times 2 \times 2 \times 15}{4 \times 15 \times 7 \times 3 \times 2} = \frac{2}{4} = \frac{1}{2}$$

$$e = -\frac{5}{7} - \frac{5}{7} \times \frac{14}{5} = -\frac{5}{7} - \frac{5 \times 2 \times 7}{7 \times 5}$$

$$= -\frac{5}{7} - \frac{14}{7} = -\frac{22}{7}$$

التمرين الثالث:

$$A = \left(-\frac{5}{7}\right) \times \left(-\frac{21}{4}\right) \times \left(-\frac{2}{15}\right) = -\frac{5 \times 21 \times 2}{7 \times 4 \times 15}$$
$$= -\frac{5 \times 7 \times 3 \times 2}{7 \times 2 \times 2 \times 5 \times 3} = -\frac{1}{2}$$

$$B = -\frac{11}{12} + \frac{1}{12} \times \left(-\frac{5}{3}\right) + \frac{5}{3} = -\frac{1}{12} + \left(-\frac{5}{36}\right) + \frac{5}{3}$$
$$= -\frac{3}{36} + \left(-\frac{5}{36}\right) + \frac{60}{36} = \frac{52}{36} = \frac{13}{9}$$

$$C = \left(-\frac{3}{4} + 0,25\right) \left(-\frac{1}{3} + \frac{1}{2}\right) = \left(-\frac{3}{4} + \frac{1}{4}\right) \left(-\frac{2}{6} + \frac{3}{6}\right)$$
$$= -\frac{2}{4} \times \frac{1}{6} = -\frac{2}{24} = -\frac{1}{12}$$

$$D = -\frac{17}{13} \times \frac{41}{22} + \frac{41}{22} \times \left(-\frac{9}{13}\right)$$
$$= \frac{41}{22} \times \left(-\frac{17}{13} + \left(-\frac{9}{13}\right)\right) = \frac{41}{22} \times \left(-\frac{26}{13}\right)$$
$$= \frac{41}{22} \times (-2) = -\frac{41 \times 2}{11 \times 2} = -\frac{41}{11}$$