

仁濟醫院蔡衍濤小學
二零二二至二零二三年度 上學期
數學科 五年級課堂工作紙 (3B)

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第12課 分數乘法：整數 × 分數

1.

2 的 $\frac{3}{5}$ 倍

$$2 \times \frac{3}{5}$$

$$= \underline{2} \text{ (}\div\text{)} \underline{5} \text{ (}\times\text{)} \underline{3} \checkmark$$

$$= \underline{\frac{2}{5}} \text{ (}\times\text{)} \underline{3} \checkmark$$

$$= \underline{\frac{2 \times 3}{5}} \checkmark$$

$$= \underline{\frac{6}{5}} \checkmark = \underline{1\frac{1}{5}} \checkmark$$

2.

12 的 $\frac{2}{5}$ 倍

$$12 \times \frac{2}{5}$$

$$= \underline{12} \text{ (}\div\text{)} \underline{5} \text{ (}\times\text{)} \underline{2} \checkmark$$

$$= \underline{\frac{12}{5}} \text{ (}\times\text{)} \underline{2} \checkmark$$

$$= \underline{\frac{12 \times 2}{5}} \checkmark$$

$$= \underline{\frac{24}{5}} \checkmark = \underline{4\frac{4}{5}} \checkmark$$

3. $12 \times 1\frac{1}{8}$

$$= 12 \times \underline{\frac{9}{8}} \checkmark \quad (\text{把帶分數化成假分數})$$

$$= \underline{12} \text{ (}\div\text{)} \underline{8} \text{ (}\times\text{)} \underline{9} \checkmark$$

$$= \underline{\frac{12}{8}} \text{ (}\times\text{)} \underline{9} \checkmark$$

$$= \underline{\frac{12 \times 9}{8}} \checkmark = \underline{\frac{108}{8}} \checkmark = \underline{13\frac{4}{8}} = \underline{13\frac{1}{2}} \checkmark$$

練習題

$$\begin{aligned}
 1. \quad & 10 \times \frac{3}{4} \\
 & = 10 \div 4 \times 3 \quad \checkmark \\
 & = \frac{10}{4} \times 3 \\
 & = \frac{10 \times 3}{4} \quad \checkmark \\
 & = \frac{30}{4} \\
 & = \frac{7 \cancel{2} 1}{4 \cancel{2}} \\
 & = 7 \frac{1}{2} \quad \checkmark
 \end{aligned}$$

$$\begin{aligned}
 2. \quad & 20 \times \frac{3}{8} \\
 & = 20 \div 8 \times 3 \\
 & = \frac{20}{8} \times 3 \quad \checkmark \\
 & = \frac{20 \times 3}{8} \\
 & = \frac{60}{8} \\
 & = \frac{7 \cancel{2} 1}{8 \cancel{2}} \\
 & = 7 \frac{1}{2} \quad \checkmark
 \end{aligned}$$

$$\begin{aligned}
 3. \quad & 21 \times \frac{5}{9} \\
 & = 21 \div 9 \times 5 \quad \checkmark \\
 & = \frac{21}{9} \times 5 \quad \checkmark \\
 & = \frac{21 \times 5}{9} \\
 & = \frac{105}{9} \\
 & = \frac{11 \cancel{2} 3}{3 \cancel{3}} \\
 & = 11 \frac{2}{3} \quad \checkmark
 \end{aligned}$$

$$\begin{aligned}
 4. \quad & 15 \times \frac{5}{6} \\
 & = 15 \div 6 \times 5 \\
 & = \frac{15}{6} \times 5 \quad \checkmark \\
 & = \frac{15 \times 5}{6} \\
 & = \frac{75}{6} \\
 & = \frac{12 \cancel{3} 1}{2 \cancel{3}} \\
 & = 12 \frac{1}{2} \quad \checkmark
 \end{aligned}$$

$$\begin{aligned}
 5. \quad & 5 \times 2 \frac{4}{5} \\
 & = 5 \times \frac{14}{5} \\
 & = 5 \div 5 \times 14 \quad \checkmark \\
 & = 1 \times 14 \\
 & = 14 \quad \checkmark
 \end{aligned}$$

$$\begin{aligned}
 & = 5 \times \frac{14}{5} \\
 & = \frac{14 \times 5}{5} \quad \checkmark \\
 & = 14 \quad \checkmark
 \end{aligned}$$

$$\begin{aligned}
 6. \quad & 6 \times 7 \frac{1}{3} \\
 & = 6 \times \frac{22}{3} \\
 & = 6 \div 3 \times 22 \quad \checkmark \\
 & = 2 \times 22 \\
 & = 44 \quad \checkmark
 \end{aligned}$$

$$\begin{aligned}
 & = 6 \times \frac{22}{3} \\
 & = \frac{26 \times 22}{31} \quad \checkmark \\
 & = 44 \quad \checkmark
 \end{aligned}$$