

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 \times 分數



1.

2 的 $\frac{3}{5}$ 倍

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

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

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

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

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

2.

12 的 $\frac{2}{5}$ 倍

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

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

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

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

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

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

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

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

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

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

練習題

1. $10 \times \frac{3}{4}$

$= 10 \div 4 \times 3$ ✓

$= \frac{10}{4} \times 3$

$= \frac{5 \cancel{10} \times 3}{4 \cancel{2}}$

$= \frac{15}{2} = \underline{\underline{7\frac{1}{2}}}$ ✓

2. $20 \times \frac{3}{8}$

$= 20 \div 8 \times 3$

$= \frac{20}{8} \times 3$ ✓

$= \frac{5 \cancel{20} \times 3}{\cancel{8} 2}$

$= \frac{15}{2} = \underline{\underline{7\frac{1}{2}}}$ ✓

3. $21 \times \frac{5}{9}$

$= 21 \div 9 \times 5$

$= \frac{21}{9} \times 5$ ✓

$= \frac{\cancel{21} \times 5}{\cancel{9} 3}$

$= \frac{35}{3}$

$= \underline{\underline{11\frac{2}{3}}}$ ✓

4. $15 \times \frac{5}{6}$

$= 15 \div 6 \times 5$

$= \frac{15}{6} \times 5$ ✓

$= \frac{5 \cancel{15} \times 5}{\cancel{6} 2}$

$= \frac{25}{2}$

$= \underline{\underline{12\frac{1}{2}}}$ ✓

5. $5 \times 2\frac{4}{5}$

$= 5 \times \frac{14}{5}$ ✓

$= 5 \div 5 \times 14$ ✓

$= 1 \times 14$ ✓

$= 14$ ✓

$= 5 \times \frac{14}{5}$ ✓

$= \frac{\cancel{5} \times 14}{\cancel{5} 1}$ ✓

$= 14$ ✓

6. $6 \times 7\frac{1}{3}$

$= 6 \times \frac{22}{3}$ ✓

$= 6 \div 3 \times 22$ ✓

$= 2 \times 22$ ✓

$= 44$ ✓

$= 6 \times \frac{22}{3}$ ✓

$= \frac{\cancel{6} \times 22}{\cancel{3} 1}$ ✓

$= 44$ ✓