

A)  $\frac{3x^2}{11x^2}$

B)  $\frac{3x^2y}{11z^2}$

C)  $\frac{6x^2}{11yz^2}$

D)  $\frac{9x^2}{11yz^2}$

$$\frac{18x^3yz^2}{33xy^2z^4} \div 3 = \frac{9x^3yz^{2-2}}{11xy^2z^{4-2}}$$

$$\frac{9x^3y^{1-1}}{11xy^{2-1}z^2} = \frac{9x^{3-1}}{11x^1y^1z^2} = \frac{9x^2}{11yz^2}$$

Multiply and express the product in lowest terms.

13)  $\frac{15}{20} \cdot \frac{1}{20}$

A)  $\frac{15}{6400}$

B)  $\frac{3}{80}$

C)  $\frac{2}{5}$

D) 15

$$\frac{15 \div 5}{20} \cdot \frac{1}{20 \div 5} = \frac{3}{20} \cdot \frac{1}{4}$$

$$\frac{3}{80}$$

13) \_\_\_\_\_

14)  $\frac{15}{18} \cdot \frac{3}{5}$

A)  $\frac{1}{2}$

B)  $\frac{6}{7}$

C)  $\frac{1}{5}$

D)  $\frac{45}{90}$

$$\frac{15 \div 3}{18 \div 3} = \frac{5}{6} \cdot \frac{3}{5}$$

$$\frac{1}{6 \div 3} \cdot \frac{3 \div 3}{1} = \frac{1}{2} \cdot \frac{1}{1} = \frac{1}{2}$$

14) \_\_\_\_\_

Multiply and write the product as a mixed number in simplest form.

15)  $-\frac{3}{7} (10)$

A)  $-\frac{3}{70}$

B)  $-\frac{3}{7}$

C)  $4\frac{2}{7}$

D)  $-4\frac{2}{7}$

$$-\frac{3}{7} \cdot \frac{10}{1}$$

$$\frac{-30}{7}$$

$$7 \overline{) -30} \begin{array}{r} -4 \\ \underline{28} \\ 2 \end{array}$$

15) \_\_\_\_\_