

Outcome 2 - Multiplying Fractions

Bronze examples...

Examples...

$$\frac{1}{5} \times \frac{1}{6} = \frac{1}{30}$$

****To multiply fractions, multiply the numerators and multiply the denominators!****

$$\frac{2}{3} \times \frac{5}{7} = \frac{10}{21} \quad \frac{3}{8} \times \frac{3}{5} = \frac{9}{40}$$

Silver examples

Examples...

$$\frac{1}{3} \times \frac{3}{5} = \frac{3}{15} = \frac{1}{5}$$

$$\frac{4}{5} \times \frac{1}{4} = \frac{4}{20} = \frac{1}{5}$$

$$\frac{8}{9} \times \frac{1}{6} = \frac{8}{54} = \frac{4}{27}$$

1. Multiply the numerators!
2. Multiply the denominators!
3. Simplify!

Gold examples

Examples...

1. Change to "Top Heavy"!
2. Multiply the numerators!
3. Multiply the denominators!
4. Write as mixed number and simplify! (if required)

$$2\frac{1}{5} \times 1\frac{3}{8} = \frac{11}{5} \times \frac{11}{8} = \frac{121}{40} = 3\frac{1}{40}$$

$$1\frac{1}{5} \times 3\frac{1}{2} = \frac{6}{5} \times \frac{7}{2} = \frac{42}{10} = 4\frac{2}{10} = 4\frac{1}{5}$$

Bronze Questions

Multiply the following fractions...



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



$$\frac{1}{2} \times \frac{1}{2}$$



$$\frac{1}{9} \times \frac{2}{11}$$



$$\frac{5}{6} \times \frac{1}{7}$$



$$\frac{3}{5} \times \frac{3}{4}$$



$$\frac{7}{9} \times \frac{5}{6}$$



$$\frac{7}{9} \times \frac{10}{11}$$



$$\frac{3}{5} \times \frac{7}{11}$$

Silver Questions

Multiply the following fractions...



$$\frac{1}{2} \times \frac{4}{7}$$



$$\frac{2}{3} \times \frac{1}{12}$$



$$\frac{8}{9} \times \frac{3}{4}$$



$$\frac{4}{7} \times \frac{5}{12}$$



$$\frac{7}{11} \times \frac{3}{10}$$



$$\frac{11}{12} \times \frac{6}{7}$$



$$\frac{4}{9} \times \frac{3}{5}$$



$$\frac{3}{10} \times \frac{5}{12}$$

Gold Questions

Multiply the following fractions...



$$1\frac{1}{5} \times 2\frac{3}{7}$$



$$2\frac{2}{3} \times 6\frac{1}{3}$$



$$3\frac{2}{9} \times 1\frac{1}{6}$$



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



$$4\frac{1}{2} \times 3\frac{1}{10}$$



$$2\frac{1}{5} \times 3\frac{1}{3}$$



$$1\frac{1}{2} \times 4\frac{1}{5}$$



$$1\frac{7}{10} \times 2\frac{1}{3}$$

Bronze Answers

1. $\frac{1}{20}$

2. $\frac{1}{4}$

3. $\frac{2}{99}$

4. $\frac{5}{42}$

5. $\frac{9}{20}$

6. $\frac{35}{54}$

7. $\frac{70}{99}$

8. $\frac{21}{55}$

Silver Answers

1. $\frac{2}{7}$

2. $\frac{1}{18}$

3. $\frac{2}{3}$

4. $\frac{5}{21}$

5. $\frac{21}{110}$

6. $\frac{11}{14}$

7. $\frac{4}{15}$

8. $\frac{1}{8}$

Gold Answers

1. $2\frac{32}{35}$

2. $16\frac{8}{9}$

3. $3\frac{41}{54}$

4. $2\frac{13}{21}$

5. $13\frac{19}{20}$

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

7. $6\frac{3}{10}$

8. $3\frac{29}{30}$