

Outcome 3 - Dividing Fractions

Bronze examples...

Examples...

$$\frac{1}{8} \div \frac{1}{3} = \frac{1}{8} \times \frac{3}{1} = \frac{3}{8}$$

$$\frac{5}{7} \div \frac{4}{3} = \frac{5}{7} \times \frac{3}{4} = \frac{15}{28}$$

$$\frac{3}{5} \div \frac{8}{11} = \frac{3}{5} \times \frac{11}{8} = \frac{33}{40}$$

****To divide fractions, turn the second one upside down and multiply! ****

Silver examples

Examples...

1. Turn the second fraction upside down and multiply!
2. Write as mixed number and simplify! (if required)

$$\frac{1}{4} \div \frac{3}{10} = \frac{1}{4} \times \frac{10}{3} = \frac{10}{12} = \frac{5}{6}$$

$$\frac{2}{9} \div \frac{11}{12} = \frac{2}{9} \times \frac{12}{11} = \frac{24}{99} = \frac{8}{33}$$

Gold examples

Examples...

1. Change to "Top Heavy"!
2. Turn the second fraction upside down and multiply!
3. Write as mixed number and simplify! (if required)

$$2\frac{3}{4} \div 1\frac{9}{10} = \frac{11}{4} \div \frac{19}{10} = \frac{11}{4} \times \frac{10}{19} = \frac{110}{76}$$

$$= 1\frac{34}{76} = 1\frac{17}{38}$$

Bronze Questions

Divide the following fractions...

1

$$\frac{1}{7} \div \frac{1}{6}$$

2

$$\frac{1}{9} \div \frac{1}{4}$$

3

$$\frac{1}{3} \div \frac{5}{8}$$

4

$$\frac{1}{2} \div \frac{5}{9}$$

5

$$\frac{3}{7} \div \frac{7}{8}$$

6

$$\frac{2}{3} \div \frac{9}{13}$$

7

$$\frac{4}{9} \div \frac{5}{7}$$

8

$$\frac{3}{11} \div \frac{5}{12}$$

Silver Questions

Divide the following fractions...

1

$$\frac{1}{10} \div \frac{1}{2}$$

2

$$\frac{1}{7} \div \frac{11}{14}$$

3

$$\frac{3}{5} \div \frac{6}{7}$$

4

$$\frac{3}{5} \div \frac{7}{10}$$

5

$$\frac{2}{9} \div \frac{2}{3}$$

6

$$\frac{5}{6} \div \frac{5}{8}$$

7

$$\frac{5}{8} \div \frac{5}{6}$$

8

$$\frac{3}{7} \div \frac{9}{13}$$

Gold Questions

Divide the following fractions...

1

$$2\frac{1}{9} \div 1\frac{1}{2}$$

2

$$3\frac{1}{6} \div 1\frac{1}{3}$$

3

$$4\frac{7}{9} \div 1\frac{2}{3}$$

4

$$1\frac{4}{5} \div 2\frac{3}{10}$$

5

$$3\frac{7}{9} \div 1\frac{3}{5}$$

6

$$2\frac{3}{10} \div 1\frac{1}{5}$$

7

$$3\frac{7}{8} \div 1\frac{3}{7}$$

8

$$4\frac{1}{5} \div 1\frac{2}{3}$$

Bronze Answers

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

2. $\frac{4}{9}$

3. $\frac{8}{15}$

4. $\frac{9}{10}$

5. $\frac{24}{49}$

6. $\frac{26}{27}$

7. $\frac{28}{45}$

8. $\frac{36}{55}$

Silver Answers

1. $\frac{1}{5}$

2. $\frac{2}{11}$

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

4. $\frac{6}{7}$

5. $\frac{1}{3}$

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

7. $\frac{3}{4}$

8. $\frac{13}{21}$

Gold Answers

1. $1\frac{11}{27}$

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

3. $2\frac{13}{15}$

4. $\frac{18}{23}$

5. $2\frac{13}{36}$

6. $1\frac{11}{12}$

7. $2\frac{57}{80}$

8. $2\frac{13}{25}$