

Tuesday

Starter

Arrange the digits to form a 4 digit number divided by a 2 digit number that equals the answer 231.

5 2 4 5 4 4

Converting Improper Fractions

Convert the below improper fractions into mixed fractions.

1. $\frac{15}{7}$
2. $\frac{19}{3}$
3. $\frac{20}{6}$
4. $\frac{55}{4}$
5. $\frac{19}{5}$
6. $\frac{100}{99}$

Converting Mixed Fractions

Convert the below mixed fractions into improper fractions.

1. $1 \frac{2}{3}$
2. $3 \frac{4}{5}$
3. $5 \frac{2}{7}$
4. $3 \frac{1}{2}$
5. $4 \frac{1}{3}$

Adding and Subtracting Fractions

Solve the below calculations

1. $\frac{5}{6} + \frac{2}{12}$
2. $\frac{3}{5} + \frac{1}{10}$
3. $\frac{3}{7} + \frac{8}{9}$
4. $\frac{9}{10} - \frac{3}{20}$
5. $\frac{5}{6} - \frac{1}{7}$
6. $\frac{2}{3} - \frac{4}{10}$

Wednesday

Starter

Find the lowest common multiple of the below pairs of numbers.

Pair of Numbers	Lowest Common Multiple
4 and 6	
3 and 5	
10 and 9	
7 and 4	
3 and 6	
9 and 6	
8 and 6	

Adding and Subtracting Mixed Fractions

1) $2\frac{3}{4} + 6\frac{3}{28} =$

2) $5\frac{3}{30} + 5\frac{4}{10} =$

3) $1\frac{3}{5} + 4\frac{11}{40} =$

4) $3\frac{5}{6} + 8\frac{3}{5} =$

5) $1\frac{4}{25} + 8\frac{1}{5} =$

6) $9\frac{6}{9} - 2\frac{11}{27} =$

7) $7\frac{5}{27} - 2\frac{5}{9} =$

8) $8\frac{4}{8} - 4\frac{4}{16} =$

9) $8\frac{10}{13} - 1\frac{5}{26} =$

10) $8\frac{6}{7} - 2\frac{2}{4} =$

Thursday

Starter

Find the lowest common multiple of these groups of 3 numbers.

Groups of Numbers	Lowest Common Multiple
5, 10 and 15	
2, 4 and 6	
3, 9 and 4	
2, 6 and 9	
5, 6 and 3	
10, 20 and 30	
4, 5 and 8	

Add or Subtract the groups of 3 fractions

$$1) \quad \frac{2}{3} + \frac{1}{4} + \frac{1}{2} =$$

$$2) \quad \frac{1}{5} + \frac{2}{3} + \frac{3}{10} =$$

$$3) \quad \frac{5}{6} + \frac{1}{9} + \frac{2}{3} =$$

$$4) \quad \frac{4}{7} + \frac{3}{4} + \frac{1}{8} =$$

$$5) \quad \frac{3}{5} + \frac{5}{6} + \frac{1}{2} =$$

$$6) \quad \frac{3}{4} + \frac{7}{10} + \frac{2}{5} =$$

$$7) \quad \frac{22}{24} - \frac{3}{8} - \frac{1}{12} =$$

$$8) \quad \frac{19}{20} - \frac{1}{5} - \frac{1}{10} =$$

$$9) \quad \frac{16}{18} - \frac{1}{3} - \frac{2}{9} =$$

$$10) \quad \frac{15}{16} - \frac{1}{4} - \frac{2}{8} =$$

Friday

Problem Solving

You don't need to use matches for this. You could use pencils or something similar.

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GROWING TRIANGLES

[1] Here are two triangles made from six matches. Can you move two matches to new positions so that there are four triangles? You are allowed to overlap matches.



[2] Now make four triangles with six matches – without overlapping matches.