Assessment on Fractions

Name: _____

1	Fraction of an amount	
2	Multiplying fractions	
3	Multiplying mixed numbers	
4	Addition of mixed numbers	
5	Addition of mixed numbers	
6	Subtraction of mixed numbers	
7	Percentage conversion to a decimal	
8	Conversion of decimal to a fraction	
9	Conversion of fraction to decimal and percentage	
10	Problem solving	
11	Expressing money as fractions	
12	Division of Fractions	
13	Division of mixed number by a fraction	
14	Problem solving involving division	
15	Problem solving	
16	Prime numbers and probability	
17	Ordering fractions, decimals and percentages	
18	Problem solving involving fractions	

Give your answers in their simplest form

1 $\frac{3}{5}$ of $60 =$

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

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

4      $4\frac{3}{5} + 3\frac{1}{4} =$

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

6      $9\frac{2}{3} - 4\frac{3}{4} =$

7   Express 80% as a decimal.

8   Write 0.5 as a fraction

9   Write $\frac{8}{100}$ as a decimal and a percentage

10   In a primary school, there are 400 children. 88 of them play a musical instrument. What fraction do not play a musical instrument?

11   Express 50p as a fraction of £4.

12 $\dfrac{5}{8} \div \dfrac{2}{3} =$

13 $2\dfrac{3}{4} \div \dfrac{7}{8} =$

14 A wire is 12m long. I cut the wire in half. I take one half of the wire and divide it into $\dfrac{3}{5}$ m lengths. Into how many lengths can I divide it?

15 In a bag, there are red, yellow, green and white beads. Half the beads are red, a quarter of the beads are yellow. There are the same number of green beads as there are white. If there are 40 yellow beads, how many beads of each of the other colours are there?

16 There are 30 counters in a bag numbered one to thirty. A number is pulled out at random. What are the chances that the number is a prime number?

17   Put the following in order starting with the smallest.

$$\frac{3}{5} \quad 64\% \quad 0.589 \quad \frac{13}{20} \quad 67.96\% \quad \frac{3}{4} \quad 0.7$$

18   A school went on a trip. Of the people on the trip, $\frac{3}{5}$ were boys. 20% of the people on the trip were in Year 11. If 160 people were not in Year 11, how many people were girls?