Name _____ Date _____

Unit 7 Fractions

1 Write the correct symbol, <, > or =, between each pair of fractions.

a $\frac{17}{12} \square 1\frac{1}{2}$ **b** $2\frac{5}{7} \square \frac{54}{21}$ **c** $\frac{24}{5} \square 4\frac{4}{5}$

2 Put these fractions in order of size, starting with the smallest.

$\frac{58}{15}, \frac{2}{3}, \frac{19}{5}, \frac{5}{8}$

_____

3 Work out:

a $3\frac{5}{7} + 4\frac{6}{7}$ **b** $2\frac{7}{12} + 2\frac{3}{4}$ **c** $3\frac{4}{9} + 4\frac{5}{6}$

_____ _____ _____

4 Work out:

a $\frac{1}{3} \times \frac{2}{3}$ _____

b $\frac{2}{5} \times \frac{2}{3}$ _____

5 Work out the following. Give each answer in its simplest form.

a $\frac{2}{3} \times \frac{6}{7}$ _____

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

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6 Work out the following. Write each answer in its simplest form and as a mixed number when possible.

a $\frac{2}{3} \div \frac{3}{4}$ _____

b $\frac{7}{10} \div \frac{1}{3}$ _____

c $\frac{7}{8} \div \frac{1}{2}$ _____

d $\frac{9}{11} \div \frac{3}{11}$ _____

7 Work out $\frac{1}{8} \times 360$.

Use factors to change the fraction. Show all your working.

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8 Work out $\frac{2}{5} \times 120$.

Use equivalent fractions. Show all your working.

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9 Work out $\frac{5}{32} \times \frac{8}{13}$.

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10 Work out $\frac{3}{4} + \frac{5}{8} \times \frac{7}{15}$.

Give your answer in its simplest form. Show all your working.

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