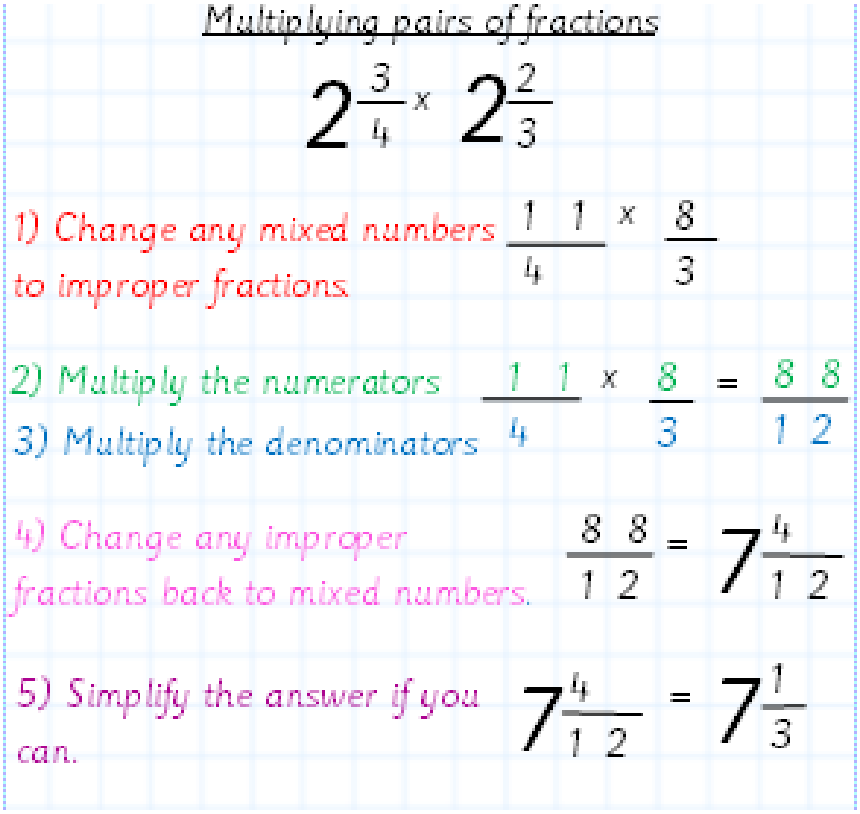
Multiplying pairs of fractions— question 26



Sheet 1

1) $2\frac{1}{2} \times 4\frac{1}{4} =$

2) $3\frac{3}{5} \times 4\frac{1}{2} =$

3) $2\frac{1}{5} \times 4\frac{2}{3} =$

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

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

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

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

8) $3\frac{1}{2} \times 3\frac{1}{2} =$

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Sheet 2

Multiplying pairs of fractions

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

1) Change any mixed numbers to improper fractions. $\frac{11}{4} \times \frac{8}{3}$

2) Multiply the numerators $\frac{11}{4} \times \frac{8}{3} = \frac{88}{12}$

3) Multiply the denominators

4) Change any improper fractions back to mixed numbers. $\frac{88}{12} = 7\frac{4}{12}$

5) Simplify the answer if you can. $7\frac{4}{12} = 7\frac{1}{3}$

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

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

3) $4\frac{1}{5} \times 2\frac{2}{3} =$

4) $2\frac{2}{5} \times 3\frac{1}{3} =$

5) $3\frac{1}{2} \times 4\frac{2}{3} =$

6) $2\frac{2}{5} \times 4\frac{1}{2} =$

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

8) $2\frac{4}{5} \times 2\frac{1}{3} =$

Multiplying pairs of fractions— question 26

Sheet 3

Multiplying pairs of fractions

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

1) Change any mixed numbers to improper fractions. $\frac{11}{4} \times \frac{8}{3}$

2) Multiply the numerators $\frac{11}{4} \times \frac{8}{3} = \frac{88}{12}$

3) Multiply the denominators

4) Change any improper fractions back to mixed numbers. $\frac{88}{12} = 7\frac{4}{12}$

5) Simplify the answer if you can. $7\frac{4}{12} = 7\frac{1}{3}$

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

$4\frac{2}{3} \times 3\frac{1}{5} =$

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

$3\frac{2}{5} \times 2\frac{1}{10} =$

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

6) $3\frac{2}{3} \times 2\frac{2}{5} =$

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

8) $3\frac{3}{10} \times 3\frac{3}{5} =$

Multiplying pairs of fractions— question 26

Sheet 4

Multiplying pairs of fractions

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

1) Change any mixed numbers to improper fractions. $\frac{11}{4} \times \frac{8}{3}$

2) Multiply the numerators $\frac{11}{4} \times \frac{8}{3} = \frac{88}{12}$

3) Multiply the denominators

4) Change any improper fractions back to mixed numbers. $\frac{88}{12} = 7\frac{4}{12}$

5) Simplify the answer if you can. $7\frac{4}{12} = 7\frac{1}{3}$

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

2) $4\frac{1}{2} \times 4\frac{1}{2} =$

3) $4\frac{2}{5} \times 2\frac{1}{4} =$

4) $2\frac{1}{4} \times 3\frac{4}{5} =$

5) $4\frac{1}{2} \times 2\frac{2}{3} =$

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

7) $2\frac{3}{10} \times 4\frac{2}{3} =$

8) $2\frac{1}{5} \times 2\frac{2}{3} =$

Multiplying pairs of fractions— question 26

Sheet 1

1) $2\frac{1}{2} \times 4\frac{1}{4} = \frac{5 \times 17}{2 \times 4} = \frac{85}{8} = 10\frac{5}{8}$

2) $3\frac{3}{5} \times 4\frac{1}{2} = \frac{18 \times 9}{5 \times 2} = \frac{162}{10} = \frac{81}{5} = 16\frac{1}{5}$

3) $2\frac{1}{5} \times 4\frac{2}{3} = \frac{11 \times 14}{5 \times 3} = \frac{154}{15} = 10\frac{4}{15}$

4) $2\frac{1}{4} \times 2\frac{1}{3} = \frac{9 \times 7}{4 \times 3} = \frac{63}{12} = \frac{21}{4} = 5\frac{1}{4}$

5) $3\frac{2}{3} \times 3\frac{4}{5} = \frac{11 \times 19}{3 \times 5} = \frac{209}{15} = 13\frac{14}{15}$

6) $2\frac{2}{5} \times 3\frac{1}{2} = \frac{12 \times 7}{5 \times 2} = \frac{84}{10} = \frac{42}{5} = 8\frac{2}{5}$

7) $2\frac{1}{2} \times 3\frac{2}{3} = \frac{5 \times 11}{2 \times 3} = \frac{55}{6} = 9\frac{1}{6}$

8) $3\frac{1}{2} \times 3\frac{1}{2} = \frac{7 \times 7}{2 \times 2} = \frac{49}{4} = 12\frac{1}{4}$

Sheet 2

1) $4\frac{1}{2} \times 3\frac{1}{4} = \frac{9 \times 13}{2 \times 4} = \frac{117}{8} = 14\frac{5}{8}$

2) $3\frac{1}{2} \times 3\frac{1}{4} = \frac{7 \times 13}{2 \times 4} = \frac{91}{8} = 11\frac{3}{8}$

3) $4\frac{1}{5} \times 2\frac{2}{3} = \frac{21 \times 8}{5 \times 3} = \frac{168}{15} = \frac{56}{5} = 11\frac{1}{5}$

4) $2\frac{2}{5} \times 3\frac{1}{3} = \frac{12 \times 10}{5 \times 3} = \frac{120}{15} = 8$

5) $3\frac{1}{2} \times 4\frac{2}{3} = \frac{7 \times 14}{2 \times 3} = \frac{98}{6} = \frac{49}{3} = 16\frac{1}{3}$

6) $2\frac{2}{5} \times 4\frac{1}{2} = \frac{12 \times 9}{5 \times 2} = \frac{108}{10} = \frac{54}{5} = 10\frac{4}{5}$

7) $3\frac{1}{2} \times 2\frac{1}{2} = \frac{7 \times 5}{2 \times 2} = \frac{35}{4} = 8\frac{3}{4}$

8) $2\frac{4}{5} \times 2\frac{1}{3} = \frac{14 \times 7}{5 \times 3} = \frac{98}{15} = 6\frac{8}{15}$

Multiplying pairs of fractions— question 26

Sheet 3

1) $2\frac{4}{5} \times 4\frac{3}{4} = \frac{14 \times 19}{5 \times 4} = \frac{266}{20} = \frac{133}{10} = 13\frac{3}{10}$

2) $4\frac{2}{3} \times 3\frac{1}{5} = \frac{14 \times 16}{3 \times 5} = \frac{224}{15} = 14\frac{14}{15}$

3) $2\frac{1}{5} \times 4\frac{1}{2} = \frac{11 \times 9}{5 \times 2} = \frac{99}{10} = 9\frac{9}{10}$

4) $3\frac{2}{5} \times 2\frac{1}{10} = \frac{17 \times 21}{5 \times 10} = \frac{357}{50} = 7\frac{7}{50}$

5) $4\frac{2}{5} \times 3\frac{7}{10} = \frac{22 \times 37}{5 \times 10} = \frac{814}{50} = \frac{407}{25} = 16\frac{7}{25}$

6) $3\frac{2}{3} \times 2\frac{2}{5} = \frac{11 \times 12}{3 \times 5} = \frac{132}{15} = \frac{44}{5} = 8\frac{4}{5}$

7) $2\frac{1}{2} \times 4\frac{1}{3} = \frac{5 \times 13}{2 \times 3} = \frac{65}{6} = 10\frac{5}{6}$

8) $3\frac{3}{10} \times 3\frac{3}{5} = \frac{33 \times 18}{10 \times 5} = \frac{594}{50} = \frac{297}{25} = 11\frac{22}{25}$

Sheet 4

1) $3\frac{1}{2} \times 4\frac{2}{3} = \frac{7 \times 14}{2 \times 3} = \frac{98}{6} = \frac{49}{3} = 16\frac{1}{3}$

2) $4\frac{1}{2} \times 4\frac{1}{2} = \frac{9 \times 9}{2 \times 2} = \frac{81}{4} = 20\frac{1}{4}$

3) $4\frac{2}{5} \times 2\frac{1}{4} = \frac{22 \times 9}{5 \times 4} = \frac{198}{20} = \frac{99}{10} = 9\frac{9}{10}$

4) $2\frac{1}{4} \times 3\frac{4}{5} = \frac{9 \times 19}{4 \times 5} = \frac{171}{20} = 8\frac{11}{20}$

5) $4\frac{1}{2} \times 2\frac{2}{3} = \frac{9 \times 8}{2 \times 3} = \frac{72}{6} = 12$

6) $4\frac{1}{2} \times 3\frac{3}{4} = \frac{9 \times 15}{2 \times 4} = \frac{135}{8} = 16\frac{7}{8}$

7) $2\frac{3}{10} \times 4\frac{2}{3} = \frac{23 \times 14}{10 \times 3} = \frac{322}{30} = \frac{161}{15} = 10\frac{11}{15}$

8) $2\frac{1}{5} \times 2\frac{2}{3} = \frac{11 \times 8}{5 \times 3} = \frac{88}{15} = 5\frac{13}{15}$