

Name \_\_\_\_\_

Date \_\_\_\_\_



## DIVIDING FRACTIONS BY WHOLE NUMBERS

### SHEET 1

*To divide a fraction by a whole number, follow these 3 simple steps:*

- Change the whole number into a fraction by putting it over a denominator of 1.
- Invert this divisor fraction (swap the numerator and denominator of the second fraction) and change the division operator to a multiplication operator.
- Multiply the two fractions together.



Example      $\frac{2}{5} \div 6 = \frac{2}{5} \div \frac{6}{1} = \frac{2}{5} \times \frac{1}{6} = \frac{2}{30}$

Work out these fraction divisions. Your answer can be left as an improper fraction and does not need to be in simplest form.

- |   |   |
|---|---|
| <p>1)     <math>\frac{2}{3} \div 4 = \frac{2}{3} \times \frac{1}{4} = \underline{\hspace{2cm}}</math></p>                             | <p>2)     <math>\frac{3}{4} \div 5 = \frac{3}{4} \times \frac{1}{5} = \underline{\hspace{2cm}}</math></p>                             |
| <p>3)     <math>\frac{1}{5} \div 3 = \frac{1}{5} \times \frac{1}{3} = \underline{\hspace{2cm}}</math></p>                             | <p>4)     <math>\frac{2}{5} \div 7 = \frac{2}{5} \times \frac{1}{7} = \underline{\hspace{2cm}}</math></p>                             |
| <p>5)     <math>\frac{1}{3} \div 7 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}</math></p>   | <p>6)     <math>\frac{3}{8} \div 4 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}</math></p>   |
| <p>7)     <math>\frac{3}{5} \div 10 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}</math></p>  | <p>8)     <math>\frac{5}{6} \div 3 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}</math></p>   |
| <p>9)     <math>\frac{4}{9} \div 2 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}</math></p>   | <p>10)     <math>\frac{5}{8} \div 11 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}</math></p> |
| <p>11)     <math>\frac{4}{10} \div 9 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}</math></p> | <p>12)     <math>\frac{3}{11} \div 8 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}</math></p> |
| <p>13)     <math>\frac{3}{5} \div 6 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}</math></p>  | <p>14)     <math>\frac{7}{10} \div 6 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}</math></p> |