

Name: ..... Class: .....

## Divide whole numbers and unit fractions

1. Divide  $8 \div \frac{4}{3}$

2. Divide  $\frac{6}{4} \div 6$

3. Divide the expressions below and tick the most correct answers.

$$3 \div \frac{3}{4} = \quad \input{checkbox} \frac{3 \times 4}{3} \quad \input{checkbox} \frac{12}{3} \quad \input{checkbox} \frac{9}{4} \quad \input{checkbox} 4$$

$$\frac{3}{4} \div 3 = \quad \input{checkbox} \frac{8}{4} \quad \input{checkbox} \frac{1}{4} \quad \input{checkbox} \frac{1}{12} \quad \input{checkbox} 2$$

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Divide whole numbers and unit fractions

1. Divide  $8 \div \frac{4}{3}$

convert the whole number to a fraction =  $\frac{8}{1}$   
 find the reciprocal of the divisor.  
 that is flip  $\frac{4}{3}$  to have  $\frac{3}{4}$

now, change the division sign to a multiplication sign and multiply

$$8 \div \frac{4}{3} = \frac{8}{1} \times \frac{3}{4} = \frac{8 \times 3}{1 \times 4} = \frac{24}{4}$$

simplify.  $24 = 8 \times 3$  which means  $\frac{24}{4} = 6$

So,  $8 \div \frac{4}{3} = 6$

2. Divide  $\frac{6}{4} \div 6$

convert the whole number to a fraction =  $\frac{6}{1}$   
 find the reciprocal of the whole number  
 that is flip  $\frac{6}{1}$  to have  $\frac{1}{6}$

now, change the division sign to a multiplication sign and multiply

$$\frac{6}{4} \div 6 = \frac{6}{4} \times \frac{1}{6} = \frac{6 \times 1}{4 \times 6} = \frac{6}{24}$$

simplify.  $\frac{2 \times \cancel{3}}{8 \times \cancel{3}} = \frac{2}{8} = \frac{1}{4}$

So,  $\frac{6}{4} \div 6 = \frac{1}{4}$

3. Divide the expressions below and tick the most correct answers.

$3 \div \frac{3}{4} =$    $\frac{3 \times 4}{3}$       $\frac{12}{3}$       $\frac{9}{4}$      4

$\frac{3}{4} \div 3 =$    $\frac{8}{4}$       $\frac{1}{4}$       $\frac{1}{12}$      2