

Name

Date



## DIVIDING WHOLE NUMBERS BY UNIT FRACTIONS 5

For each question, choose a whole number and a fraction to match the properties.

5	3	9	6
$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{8}$	$\frac{1}{7}$

*One of these challenges below is IMPOSSIBLE. Can you find it?*

1)	Can you make an odd answer.	___ ÷ ___ = ___
2)	Can you make an answer less than 10.	___ ÷ ___ = ___
3)	Can you make an answer greater than 60.	___ ÷ ___ = ___
4)	Can you make an answer between 10 and 14 (inclusive).	___ ÷ ___ = ___
5)	Can you make an answer which is a square number.	___ ÷ ___ = ___
6)	Can you make an answer which is a prime number.	___ ÷ ___ = ___
7)	Can you make an answer which is 1 less than a multiple of 6.	___ ÷ ___ = ___
8)	Can you make an answer which is 1 more than a multiple of 10.	___ ÷ ___ = ___



## DIVIDING WHOLE NUMBERS BY UNIT FRACTIONS 5 ANSWERS

For each question, choose a whole number and a fraction to match the properties.

5	3	9	6
$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{8}$	$\frac{1}{7}$

*One of these challenges below is IMPOSSIBLE. Can you find it?*

1)	Make an odd answer. There are many different answers to this problem!	$\underline{9} \div \frac{1}{7} = \underline{63}$
2)	Make an answer less than 10.	$\underline{3} \div \frac{1}{3} = \underline{9}$
3)	Make an answer greater than 60.	$\underline{9} \div \frac{1}{8} = \underline{72}$
4)	Make an answer between 10 and 14 (inclusive).	$\underline{3} \div \frac{1}{4} = \underline{12}$
5)	Make an answer which is a square number.	$\underline{3} \div \frac{1}{3} = \underline{9}$
6)	Make an answer which is a prime number.	<u>IMPOSSIBLE – each answer is the product of two whole numbers.</u>
7)	Make an answer which is 1 less than a multiple of 6.	$\underline{5} \div \frac{1}{7} = \underline{35}$
8)	Make an answer which is 1 more than a multiple of 10.	$\underline{3} \div \frac{1}{7} = \underline{21}$