

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

## Divide decimals by powers of ten

1. Divide the following decimal numbers using the index method.

a.  $44.965 \div 100 =$

d.  $571.39 \div 1,000 =$

b.  $39.006 \div 100 =$

e.  $6.543 \div 1,000 =$

c.  $20.153 \div 10,000 =$

f.  $0.00478 \div 10 =$

2. In each case, tick the correct answer.

a. What will be the answer after dividing 347,240,001.59 by 1,000,000?

- 
- 3472.4000159
- 
- 347.24000159
- 
- 347,240.00159
- 
- 347.240159

b. What will be the answer after dividing 20,153.721 by  $10^4$ ?

- 
- 2.0154721
- 
- 2,015.3721
- 
- 20.153721
- 
- 2.0153721
- 
- 2.153721

c. What will be the answer after dividing 5,824.18 by 10,000?

- 
- 0.582418
- 
- 0.582318
- 
- 5.82418
- 
- 582.418
- 
- 0.0582418

d. What will be the answer after dividing 2,878.3 by  $10^3$ ?

- 
- 0.28783
- 
- 20.8783
- 
- 2.8783
- 
- 0.028783
- 
- 28.783

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

Divide decimals by powers of ten

1. Divide the following decimal numbers using the index method.

a.  $44.965 \div 100 = 44.965 \div 10^2$   
 $= 0.44965$

d.  $571.39 \div 1,000 = 571.39 \div 10^3$   
 $= 0.57139$

b.  $39.006 \div 100 = 39.006 \div 10^2$   
 $= 0.39006$

e.  $6.543 \div 1,000 = 6.543 \div 10^3$   
 $= 0.006543$

c.  $20.153 \div 10,000 = 20.153 \div 10^4$   
 $= 0.0020153$

f.  $0.00478 \div 10 = 0.00478 \div 10^1$   
 $= 0.000478$

2. In each case, tick the correct answer.

a. What will be the answer after dividing 347,240,001.59 by 1,000,000?

- 3472.4000159     347.24000159     347,240.00159     347.240159

b. What will be the answer after dividing 20,153.721 by  $10^4$ ?

- 2.0154721     2,015.3721     20.153721     2.0153721     2.153721

c. What will be the answer after dividing 5,824.18 by 10,000?

- 0.582418     0.582318     5.82418     582.418     0.0582418

d. What will be the answer after dividing 2,878.3 by  $10^3$ ?

- 0.28783     20.8783     2.8783     0.028783     28.783