

Accelerated Math Extra Practice
(Section 3.1 and 3.2)

Name _____

Block _____ Date _____

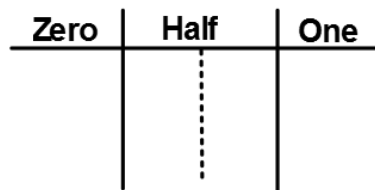
<p>1) Write 0.4 as a fraction in simplest form.</p>	<p>2) Write the decimal for $\frac{9}{50}$</p>	<p>3) < > or = ? $0.\overline{3} \bigcirc 0.3$</p>	<p>4) Write the decimal for $\frac{5}{6}$</p>	<p>5) Write 0.002 as a fraction in simplest form.</p>									
<p>6) Write the decimal for $\frac{24}{32}$</p>	<p>7) < > or = ? $-0.2 \bigcirc -\frac{3}{5}$</p>	<p>8) < > or = ? $7.12 \bigcirc 7.\overline{1}$</p>	<p>9) < > or = ? $\frac{12}{18} \bigcirc 0.\overline{6}$</p>	<p>10) Write the decimal for $\frac{1}{8}$</p>									
<p>11) Write a <u>terminating decimal</u> that is more than $0.\overline{7}$ and less than $0.\overline{8}$</p>	<p>12) Write this decimal using bar notation: $0.934444\dots$</p>	<p>13) Circle the <u>largest</u> number. $0.07 \quad 0.\overline{6} \quad \frac{65}{100}$</p>	<p>14) In the definition of a rational number find the values of a and b to prove 3.2 is a rational number. a = b =</p>	<p>15) Place these numbers in the best place on the chart. $0.08 \quad \frac{22}{23} \quad 0.\overline{5} \quad \frac{11}{24}$</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Zero</th> <th>Half</th> <th>One</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td colspan="3" style="text-align: center;">-----</td> </tr> </tbody> </table>	Zero	Half	One				-----		
Zero	Half	One											

<p>16) Which set(s) of numbers include π ? Q Rational I Integers W Whole N Natural Z Irrational</p> <p style="text-align: right;"><u>Answer</u></p> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin-left: auto; margin-right: auto;"></div>	<p>17) Write the decimal for $\frac{20}{40}$</p>	<p>18) Which set(s) of numbers include -9 ? Q Rational I Integers W Whole N Natural Z Irrational</p> <p style="text-align: right;"><u>Answer</u></p> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin-left: auto; margin-right: auto;"></div>	<p>19) Circle the numbers that are integers.</p> <p style="text-align: center;"> $1.5 \quad -7 \quad 4$ $\frac{12}{6} \quad \frac{2}{3} \quad -17\frac{1}{2}$ $0 \quad \sqrt{36}$ </p>	<p>20) Which set(s) of numbers include $1\frac{2}{3}$? Q Rational I Integers W Whole N Natural Z Irrational</p> <p style="text-align: right;"><u>Answer</u></p> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin-left: auto; margin-right: auto;"></div>									

21) Show algebraic steps to convert $0.4\overline{8}$ into a fraction in simplest form.

22) Write the fraction $\frac{11}{30}$ as a decimal.

*23) Place these numbers in the BEST place on the chart below. Then order them from smallest to largest. Remember to show additional work when needed.



A 0.78

B $\frac{9}{17}$

C $\frac{3}{4}$

D $0.\overline{87}$

E $\frac{7}{8}$

Use the letters to
give your answer

24) Show algebraic steps to convert $0.0\overline{26}$ into a fraction in simplest form.

25) Order these numbers from smallest to greatest.

A -0.3

B $-\frac{7}{20}$

C $-0.\overline{29}$

D $-\frac{1}{9}$

E $-0.2\overline{9}$

Use the letters to
give your answer

26) Which of these fractions are between 0.1 and 0.25 ? Show how you know.

A $\frac{3}{50}$

B $\frac{1}{1000}$

C $\frac{2}{25}$

D $\frac{3}{100}$

E $\frac{1}{6}$

F $\frac{2}{9}$

Use the letters to
give your answer

*27) Circle the numbers that are rational and prove they are rational based on the definition. Find the values of a and b for each rational number.

-9

$4\frac{4}{7}$

$\sqrt{3}$

1.3

0

0.25

$\frac{1.1}{5}$

-0.8

$\sqrt{25}$