

Math 7 Extra Practice (4.1-4.2)
Fraction and Decimals

Name _____
Block _____ Date _____

Write each fraction or mixed number as a decimal number. Circle final answer.

1) $\frac{2}{3}$	2) $\frac{13}{20}$	3) $\frac{14}{100}$
4) $-\frac{3}{10}$	5) $2\frac{3}{50}$	6) $\frac{1}{8}$
7) $\frac{12}{24}$	8) $\frac{9}{40}$	9) $\frac{2}{18}$

Space for Long Division when needed:

Write each decimal as a fraction in simplest form. Circle final answer.

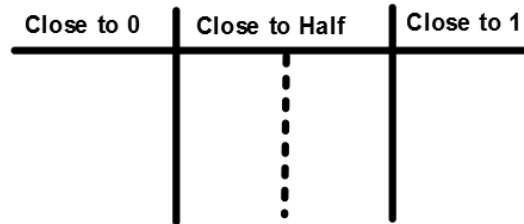
10) 0.4	11) 0.23	12) 0.018
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Circle final answers. Show work when possible.

<p>13) Kate's race time was between 50.2 and 50.4 seconds. Which could be her race time in seconds? <u>Show thinking.</u></p> <p>A) 50.03 B) 50.18</p> <p>C) 50.27 D) 50.41</p>	<p>14) Sara asked for 0.75 pound of ham at the deli. Write this as a fraction in simplest form.</p>	<p>15) Jake completed a marathon race in 3 hours and 20 minutes. Write Jake's running time as a decimal.</p>	<p>16) Write these repeating decimals using bar notation.</p> <p>A) 2.36666...</p> <p>B) 0.474747...</p> <p>C) 0.7777...</p>
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Use the symbols $<$, $>$, or $=$ to make this a true statement. For each problem, place the original numbers in the correct place on the benchmark chart. Then choose one of the other methods to prove your answer is correct.

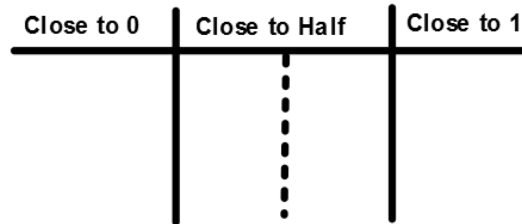
17) $\frac{8}{9} \bigcirc \frac{4}{5}$



Common Denominator

Decimals

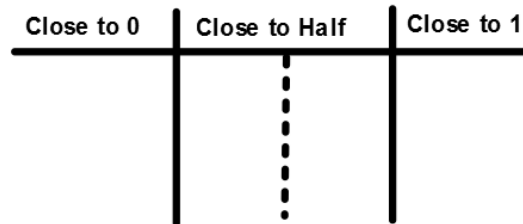
18) $\frac{3}{50} \bigcirc 0.4$



Common Denominator

Decimals

19) $\frac{5}{9} \bigcirc \frac{3}{8}$



Common Denominator

Decimals

20) Circle the numbers below that are rational numbers.

$\frac{4}{5}$ -8 -0.98

2.3 0 $\sqrt{2}$

$\sqrt[3]{3}$ 2

21) <, >, or = ? Show work

$$-\frac{1}{4} \bigcirc -\frac{3}{8}$$

22) Nate correctly answered 20 out of 25 questions on his science test. He correctly answered 15 out of 20 on his math test. On which test did he do the best? Show strategy you used.

23) Caroline has a bolt that is $\frac{3}{4}$ inch wide, and she drilled

a hole 0.7 inch wide. Is the hole large enough to fit the bolt? Explain your reasoning.

24) Write these numbers in order from smallest to largest. Show your thinking. Give answer using the letters.

A $\frac{4}{6}$ B 0.07 C 0.5

25) (Multiple Choice) Which of the following numbers is greater than 3.07? Show your thinking.

A) $3\frac{1}{10}$ B) 3.009

C) $3\frac{1}{50}$ D) 3.06

Answer

26) Write these numbers in order from smallest to largest. Show your thinking. Give your answer using the letters.

A $\frac{3}{4}$

B 0.1

C $\frac{3}{20}$

D - 0.18

Answer using letters

27) Sara practices the piano $\frac{7}{8}$ of an hour each day, Beth practices 0.6 of an hour each day, Dan practices $\frac{4}{9}$ of an hour each day, and Tyler practices $\frac{9}{10}$ of an hour each day. Write their names in order from who practices the least to who practices the most. Explain your reasoning clearly.

Answer using names