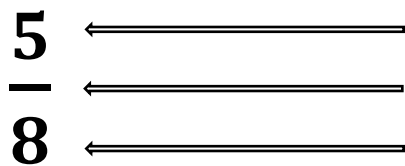


FRACTION CITY (FE)

1) Label the three parts of the common fraction shown below:



2) Using different numbers, list three equivalent fractions for each of the fractions listed:

$1/6 =$ / , / , /

$3/5 =$ / , / , /

$5/2 =$ / , / , /

3) In the list of fractions below, circle those that are in simplest form; rename in simplest form those that are not:

$3/9$ $3/10$ $1/2$

$6/8$ $2/15$ $6/1$

$10/5$ $15/16$ $9/11$

4) Solve the following proportions (by making equivalent fractions):

a) $A/6 = 7/42$

b) $4/B = 9/10$

c) $60/5 = C/2$

d) $5/3 = 4/D$

5) Evaluate the problems below:

a) What is $1/6$ of 24?

b) 9 is $1/5$ of what?

c) What fractional part of 12 is 2?

d) Find $2/3$ of 9.

e) 12 is $1/3$ of what value?

f) 6 is what fractional part of 27?

6) Fill in the chart below

fraction	decimal	percent
$1/5$		
	0.9	
		40%
$2/3$		
	0.25	
		35%

7) Compare using $<$, $>$, $=$

$5/9$ _____ $5/3$

$1/10$ _____ $2/5$

$1/4$ _____ $3/12$

$1/5$ _____ $1/6$

$4/3$ _____ $3/4$

8) What fractional part of each shape below is shaded?



9) Arrange in increasing order:

$8/9$, $0/7$, $7/14$, $12/12$, $6/3$

10) Add:

a) $4 + 2 \frac{1}{6} + 3 \frac{5}{6} =$

b) $1/2 + 3/4 + 7/8 =$

c) $2 \frac{3}{10} + 3 \frac{2}{5} + 4 \frac{1}{2} =$

d) $1/3 + 2/3 + 3/3 + 4/3 =$

11) Subtract:

a) $6 - 3/4 =$

b) $8 \frac{1}{3} - 4 \frac{3}{5} =$

c) $9 \frac{1}{4} - 8 \frac{1}{4} =$

d) $4 \frac{3}{8} - 3 =$

12) Multiply:

a) $2/3 \times 4/5 \times 3/4 \times 1/2 =$

b) $9 \frac{5}{6} \times 7 \frac{4}{5} \times 0 \frac{0}{3} \times 3 \frac{3}{4} =$

c) $3 \frac{1}{2} \times 2 \frac{1}{3} =$

d) $35 \times 2 \frac{2}{5} =$

Name _____

13) Divide:

a) $7 \div 1/4 =$

b) $1/8 \div 1/2 =$

c) $2 \frac{4}{5} \div 1/5 =$

d) $6 \div 1 \frac{1}{2} =$

14) How much greater is $2/3$ of 12 than $7/10$ of 10?

15) How much less is $1 \frac{1}{2}$ times 6 than $3/4$ of 12?

16) What is the probability of choosing a vowel from the word arithmetic when a single letter is selected at random?

17) Using a fair cubical die, what is the probability of rolling a number less than 6 on your next roll?

18) On the number line, what value is $1/3$ of the distance from 5 to 17?

19) Find the average (mean) of :

2 , $1 \frac{1}{6}$, $2 \frac{1}{3}$, $3 \frac{1}{6}$, $3 \frac{0}{3}$

20) Optional local question