

Fantastic Facts Booklet



F10



Equivalent
Fractions, Decimals
& Percentages

FRACTIONS, DECIMALS & PERCENTS

1.00		1 whole		100%	
0.5	1/2	50%	0.5	1/2	50%
0.33	1/3	33.3%	0.33	1/3	33.3%
0.25	1/4	25%	0.25	1/4	25%
0.20	1/5	20%	0.20	1/5	20%
0.16	1/6	16.6%	0.16	1/6	16.6%
1/8	1/8	12.5%	1/8	1/8	12.5%
1/10	1/10	10%	1/10	1/10	10%
1/12	1/12	8.3%	1/12	1/12	8.3%

TIC ★ TAC ★ TOE

Directions – Circle the (fraction, percentage, and decimal) that are the same number.

$\frac{12}{100}$	0.63	12%
$\frac{63}{100}$	63%	$\frac{63}{100}$
0.12	$\frac{12}{100}$	12%

0.49	$\frac{99}{100}$	$\frac{89}{100}$
$\frac{99}{100}$	99%	$\frac{49}{100}$
0.89	0.99	99%

0.74	$\frac{39}{100}$	39%
47%	$\frac{74}{100}$	$\frac{47}{100}$
$\frac{74}{100}$	0.39	74%

0.56	$\frac{66}{100}$	%19
$\frac{65}{100}$	%66	$\frac{91}{100}$
%65	0.66	0.91

0.10	10%	$\frac{1}{100}$
1%	0.01	$\frac{1}{100}$
1.00	$\frac{100}{1000}$	100%

0.22	42%	$\frac{24}{100}$
$\frac{42}{100}$	24%	0.42
0.24	$\frac{22}{100}$	22%

0.13	$\frac{13}{100}$	36%
$\frac{33}{100}$	13%	0.36
0.33	33%	$\frac{36}{100}$

14%	$\frac{48}{100}$.048
$\frac{14}{100}$	48%	0.14
40%	0.48	$\frac{40}{100}$

$\frac{15}{100}$	15%	0.05
0.50	50%	$\frac{50}{100}$
$\frac{5}{100}$	5%	0.15

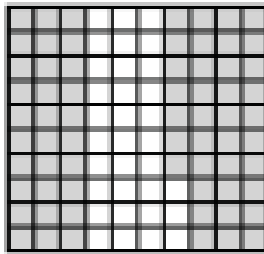
Determine the value written as a fraction, decimal & a percent.

Ex)



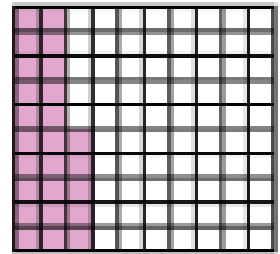
Fraction $\frac{7}{10}$
 Decimal 0.7
 Percent 70%

1)



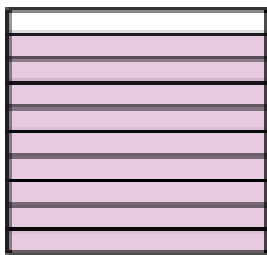
Fraction _____
 Decimal _____
 Percent _____

2)



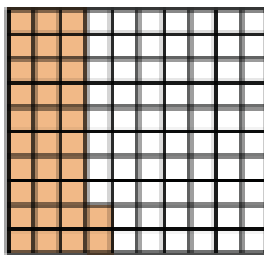
Fraction _____
 Decimal _____
 Percent _____

3)



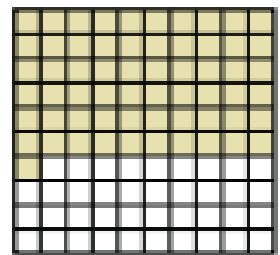
Fraction _____
 Decimal _____
 Percent _____

4)



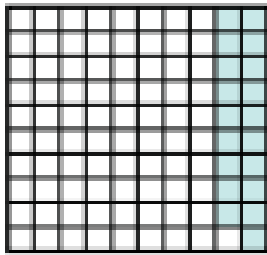
Fraction _____
 Decimal _____
 Percent _____

5)



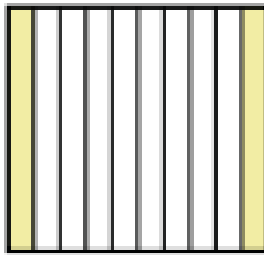
Fraction _____
 Decimal _____
 Percent _____

6)



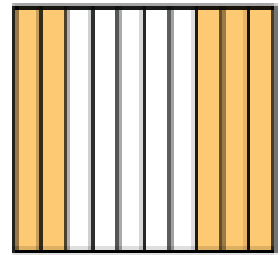
Fraction _____
 Decimal _____
 Percent _____

7)



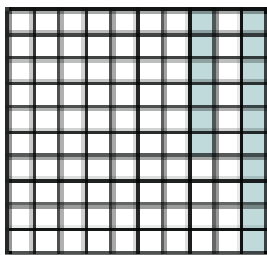
Fraction _____
 Decimal _____
 Percent _____

8)



Fraction _____
 Decimal _____
 Percent _____

9)



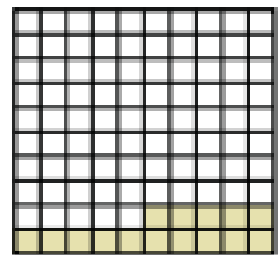
Fraction _____
 Decimal _____
 Percent _____

10)

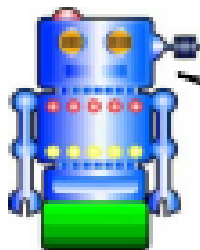


Fraction _____
 Decimal _____
 Percent _____

11)



Fraction _____
 Decimal _____
 Percent _____



When I see **23%**, I know that means:

$$\frac{23}{100} \text{ or } 0.23$$

1. Write these percentages as fractions and decimal fractions:

a. 43% and b. 29% and c. 7% and

d. 16% and e. 9% and f. 99% and

2. Circle the percentage which is equal to 0.58

3. Circle the percentage which is equal to 0.08

a. 0.58% b. 5.8% c. 58% d. 580%

a. 800% b. 80% c. 8% d. 0.8%

4. Write these fractions as decimal fractions and percentages:

a. $\frac{17}{100}$ and b. $\frac{59}{100}$ and c. $\frac{91}{100}$ and

5. Write these fractions as decimal fractions and percentages:

a. $\frac{7}{100}$ and b. $\frac{33}{100}$ and c. $\frac{89}{100}$ and

6. Circle the decimal fraction which is equal to 37%

a. 0.37 b. 3.70 c. 0.037 d. 3.07

7. Circle the decimal fraction which is equal to 69%

a. 69.0 b. 6.9 c. 0.069 d. 0.69

8. Put these fractions in order, starting with the smallest:

$\frac{43}{100}$

$\frac{50}{100}$

$\frac{9}{100}$

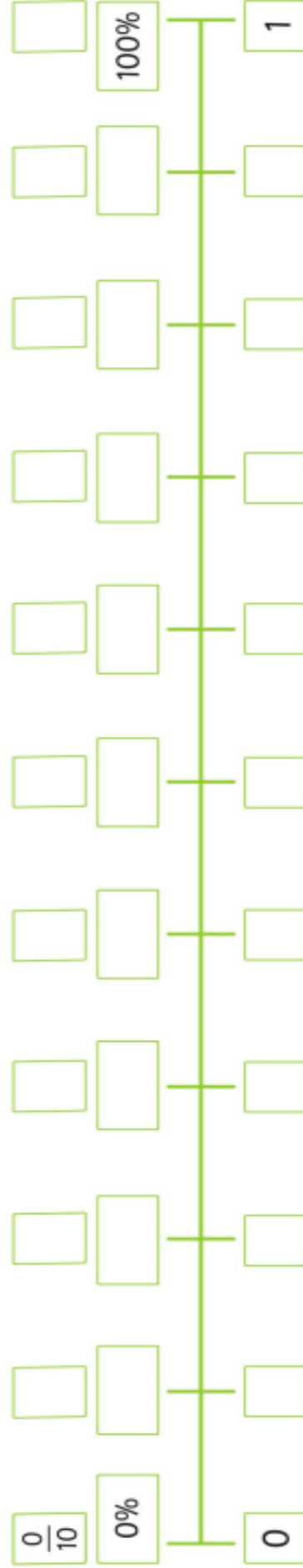
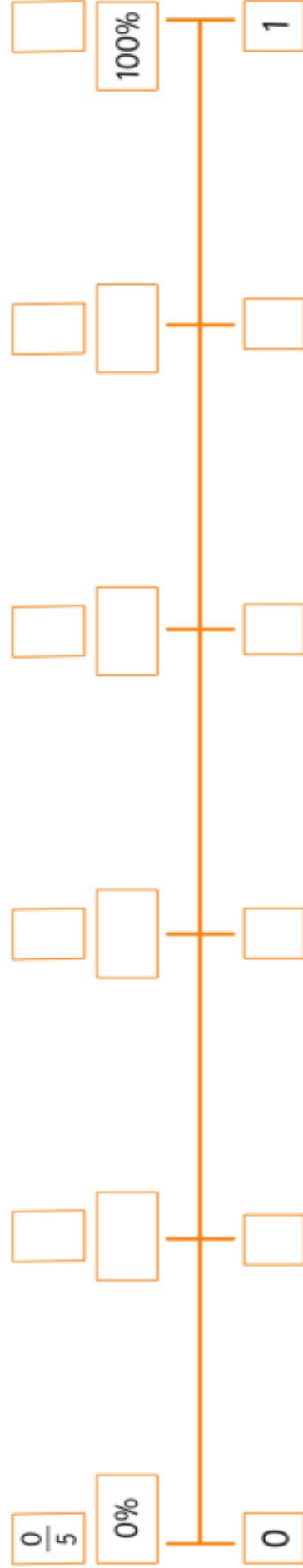
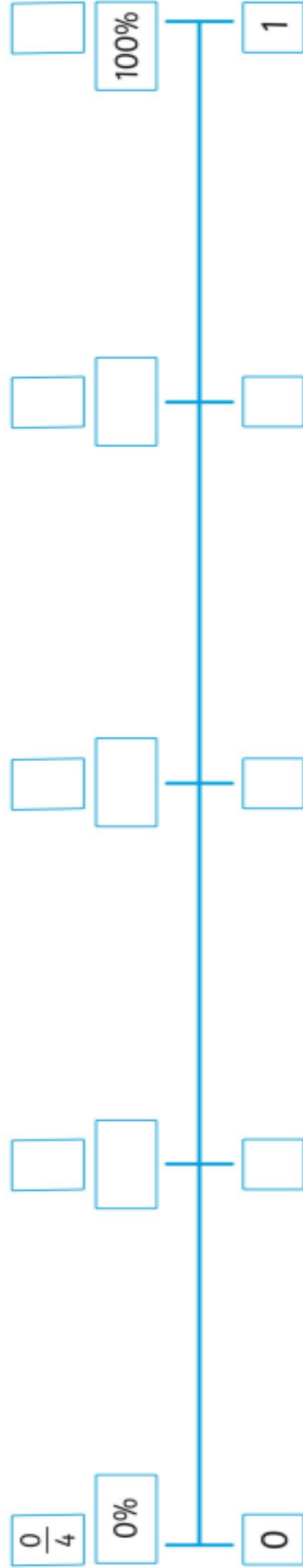
0.6

0.07

0.19

Percentages, Decimals and Fractions Number Line

Fill in the boxes with the missing percentages, decimals and fractions.



Draw lines from the fraction to the equivalent decimal and percentage.

$\frac{1}{2}$	0.70	12.5%
$\frac{1}{4}$	0.125	10%
$\frac{1}{10}$	0.333	75%
$\frac{1}{3}$	0.50	25%
$\frac{1}{6}$	0.90	16.7%
$\frac{3}{4}$	0.75	70%
$\frac{9}{10}$	0.167	50%
$\frac{2}{10}$	0.25	33.3%
$\frac{1}{8}$	0.50	90%
$\frac{7}{10}$	0.10	50%

Colour equivalent fractions, decimals
and percentages the same colour

$1/2$

$1/6$

0.33

$1/4$

0.5

0.90

$3/4$

33%

$2/5$

50%

75%

$9/10$

0.167%

0.75

0.4

25%

0.167

0.25

40%

90%

$1/3$