

Mathletics

Fractions, Decimals & Percentages Worksheets



Teacher Solutions

Year 5

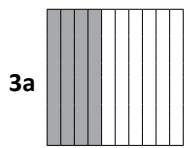
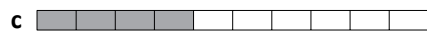
Fractions, Decimals and Percentages

Page 1

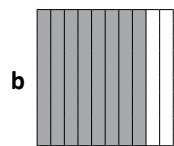
1a $\frac{6}{10}$; 0.6

b $\frac{4}{10}$; 0.4

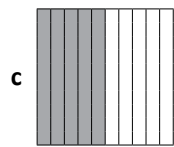
c $\frac{3}{10}$; 0.3



0.4

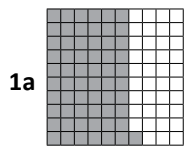


0.8

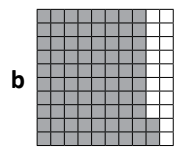


0.5

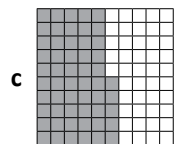
Page 2 – 3



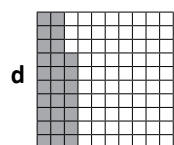
0.61



0.82

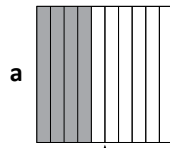


0.55

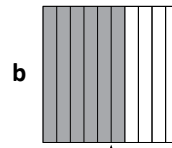
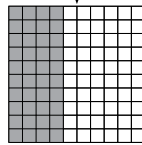


0.27

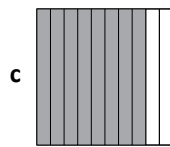
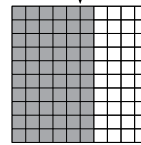
2 Yes



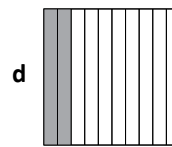
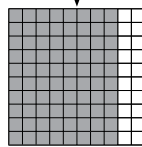
4 tenths
40 hundredths



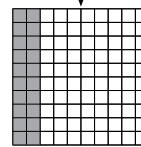
6 tenths
60 hundredths



8 tenths
80 hundredths



2 tenths
20 hundredths



3b $\frac{7}{10}$ and $\frac{5}{100}$

c $\frac{1}{10}$ and $\frac{6}{100}$

d $\frac{3}{10}$ and $\frac{7}{100}$

e 2 wholes, $\frac{7}{10}$ and $\frac{5}{100}$

4a $\frac{42}{100} = \frac{4}{10} + \frac{2}{100} = 0.42$

b $\frac{25}{100} = \frac{2}{10} + \frac{5}{100} = 0.25$

c $\frac{38}{100} = \frac{3}{10} + \frac{8}{100} = 0.38$

d $\frac{75}{100} = \frac{7}{10} + \frac{5}{100} = 0.75$

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	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
1							
a			5	3	8		
b		7	8	4	2	3	
c			9	0	8	0	4
d		6	0	0	8	4	3
e				4	9	8	
f				3	4	2	
g			2	3	0	4	6
h				0	0	0	8

2a F

b T

c F

d T

e T

f F

3a (0.7)

b (6 tenths)

c (7.5)

d (15)

e ($\frac{1}{2}$)

f (35)

4a >

b >

c <

d <

e =

f =

5a Harry – tallest; Ali – shortest

b Ali (79.934 kg), Sebastian (88.91 kg), George (99.552 kg)

Fractions, Decimals and Percentages

5c Harry and Joe

d Joe – he is the heaviest.

e 1.74 m–1.83 m

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1a

3.04	3.34	3.4	3.43	4.03
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b

7.376	7.637	7.673	7.736	7.763
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c

89.789	89.879	89.978	98.899	98.987
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2a false

b true

c false

d true

e true

f true

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1a 4

b 9

c 28

d 75

e 1,000

f 7,688

2a 9.4

b 0.5

c 69.3

d 86.7

e 538.4

f 2,972.9

3a–f Answers will vary.

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1 Answers will vary.

2a 0.5; 50

b 30

c $\frac{90}{100}$; 0.9

d $\frac{25}{100}$; 25

e 0.45; 45

2f $\frac{75}{100}$; 75

g $\frac{89}{100}$; 0.89

h $\frac{42}{100}$; 42

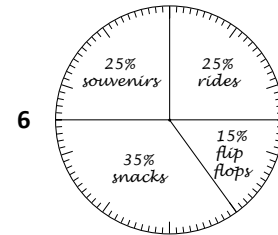
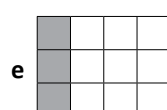
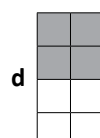
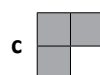
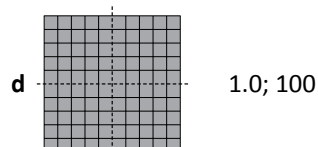
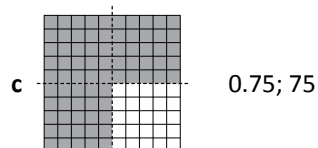
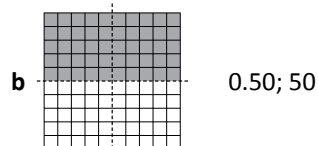
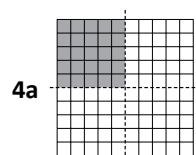
3a true

b false

c false

d false

e true



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1a £25

b £12

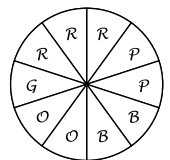
c £30

d £15

e £100

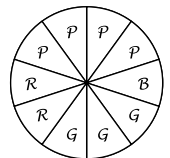
2a

R	Go to a restaurant	30%
G	Go to the beach	10%
O	See a movie	20%
B	Go shopping	20%
P	Play sport	20%



b

P	Pizza	80
R	Hamburgers	40
G	Pasta	60
B	Curry	20



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1a 0.2

b 60%

c 10%

d £22.50

e $\frac{1}{4}$

f $\frac{1}{8}$

g Because 100% is the maximum effort possible.

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What to do

Observe students.

Mathletics

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