

Answer Sheet

Delicious Decimals

convert to various forms



Write each **phrase** as a **decimal**.

1. one hundred nine and six hundred seventy-three thousandths = 109.673
2. five and three tenths = 5.3
3. nine hundred twenty-nine and one hundred sixty-eight thousandths = 929.168
4. three hundred fifty-three and nine hundred eighty-one thousandths = 353.981
5. sixty-seven and four hundred fifteen thousandths = 67.415



Write each **expanded form** as a **decimal**.

1. $5 \times 100 + 6 \times 10 + 9 + 2 \times (1/10) + 7 \times (1/100) + 2 \times (1/1000) =$ 569.272
2. $7 \times 100 + 9 \times 10 + 1 + 8 \times (1/10) + 8 \times (1/100) + 7 \times (1/1000) =$ 791.887
3. $9 \times 100 + 3 \times 10 + 5 + 2 \times (1/10) + 1 \times (1/100) + 1 \times (1/1000) =$ 935.211
4. $5 \times 10 + 2 + 9 \times (1/10) + 6 \times (1/100) + 3 \times (1/1000) =$ 52.963
5. $7 \times 100 + 6 \times 10 + 5 \times (1/10) + 9 \times (1/100) + 5 \times (1/1000) =$ 760.595

Answer Sheet

M A T H
DECIMALS



Rounding off to a decimal place is like giving a number a little trim. Round each decimal off to the place shown.

Remember, if the number you are rounding off is 5 or more, round up. If it is 4 or less, round down.



Place Value Guide

4	.	9	2	4
ones		tenths	hundredths	thousandths

Tenths

56.56321

56.6

450.91365

450.9

18.59452

18.6

2.43125

2.4

Hundredths

12.29531

12.30

25.12546

25.13

82.98406

82.98

61.23995

61.24

Mixed

11.25631

11.3
Tenths

164.25981

164.26
Hundredths

20.28315

20.3
Tenths

1.99529

2.00
Hundredths

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Place Value Guide

4	.	9	2	4
ones		tenths	hundredths	thousandths

Hundredths

25.123521

25.12

2.154831

2.15

64.89502

64.90

3.21002

3.21

Thousandths

453.20191

453.202

12.25136

12.251

213.15612

213.156

18.25923

18.259

Mixed

31.24539

31.25
Hundredths

46.25132

46.251
Thousandths

6.21059

6.21
Hundredths

18.28902

18.289
Thousandths

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Place Value Guide

4	.	9	2	4
ones		tenths	hundredths	thousandths

Tenths

19.25013



19.3

5.012546



5.0

125.236519



125.2

46.95241



47.0

Thousandths

89.56124



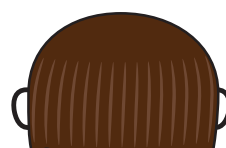
89.561

3.25136



3.251

14.82596



14.826

814.28962



814.290

Mixed

24.95213




25.0
Tenths

18.21852



18.219
Thousandths

1.87321



1.9
Tenths

17.21256



17.213
Thousandths

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Place Value Guide

4	.	9	2	4
ones		tenths	hundredths	thousandths

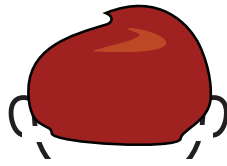
Hundredths

2.15531



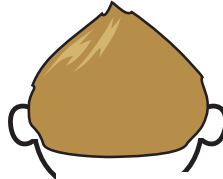
2.16

90.10539



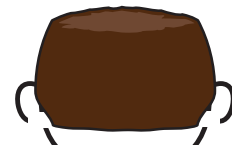
90.11

0.87321



0.87

21.24621



21.25

Thousandths

51.02351



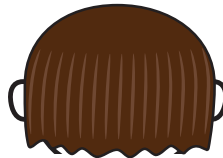
51.024

3.08542



3.085

8.36055



8.361

18.53204



18.532

Mixed

6.29321



6.29

Hundredths

50.78612



50.786

Thousandths

0.88953



0.890

Thousandths

4.69502



4.70

Hundredths

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Place Value Guide

4	.	9	2	4
ones		tenths	hundredths	thousandths

Tenths

9.95123



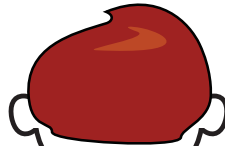
10.0

5.26421



5.3

55.09664



55.1

1.96521



8.0

Hundredths

0.26541



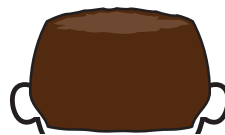
0.27

64.89213



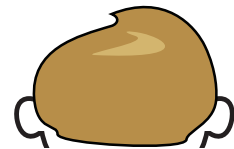
64.89

9.55531



9.56

10.76806



70.77

Mixed

30.56380



30.6

Tenths

83.54406



83.54

Hundredths

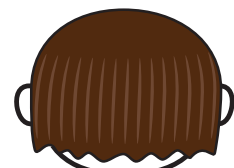
90.09531



90.10

Hundredths

643.85138



643.9

Tenths



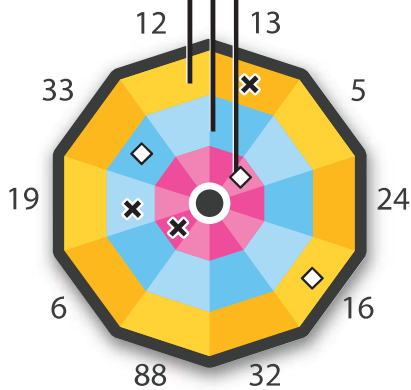
Answer Sheet



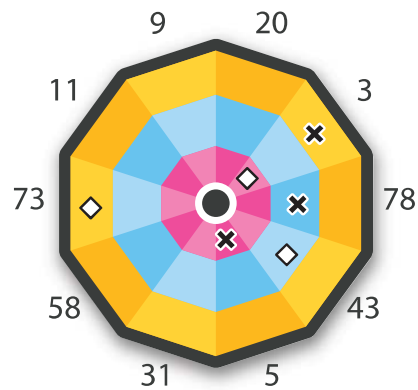
Scoring System

tenths
hundredths
thousandths

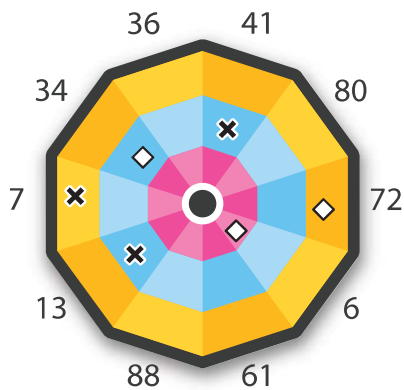
A heated match of darts is underway! You're in charge of keeping track of the scores. Use the scoring system illustrated on the left to determine how much each throw is worth. When you're done, add up the two teams' total scores. Be sure to show your work. Use scratch paper if necessary.



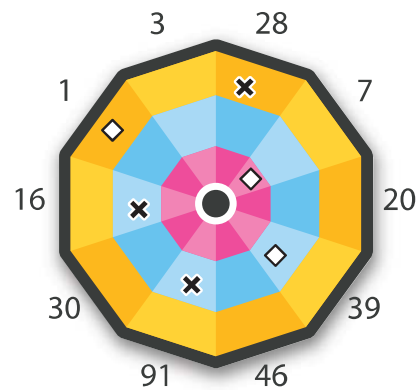
✕ Michael $\frac{0.803}{0.013}$ $\frac{0.190}{+ 0.600}$ <hr/> 0.803	◇ Esther $\frac{0.846}{0.016}$ $\frac{0.330}{+ 0.500}$ <hr/> 0.846
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✕ Rebecca $\frac{1.283}{0.003}$ $\frac{0.780}{+ 0.500}$ <hr/> 1.283	◇ Victoria $\frac{0.803}{0.073}$ $\frac{0.430}{+ 0.300}$ <hr/> 0.803
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✕ Royce $\frac{0.547}{0.007}$ $\frac{0.410}{+ 0.130}$ <hr/> 0.547	◇ Carlos $\frac{1.012}{0.072}$ $\frac{0.340}{+ 0.600}$ <hr/> 1.012
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✕ Juliet $\frac{1.098}{0.028}$ $\frac{0.160}{+ 0.910}$ <hr/> 1.098	◇ Ivan $\frac{1.091}{0.001}$ $\frac{0.390}{+ 0.700}$ <hr/> 1.091
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How many points did each team score in total?

✕ $\frac{3.731}{0.803}$ $\frac{1.283}{0.547}$ $\frac{1.098}{+ 1.098}$ <hr/> 3.731	◇ $\frac{3.752}{0.846}$ $\frac{0.803}{1.012}$ $\frac{1.091}{+ 1.091}$ <hr/> 3.752
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