MATHLETICS
Inspiring Better Results

Decimals

Student Book - Series H-2

Mathletics Instant Workbooks

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Decimals
Student Book - Series H 2

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Topic 1: Place value

Question 1 Write the following decimal numbers in expanded form.

	Hundreds	Tens	Units	.	Tenths	Hundredths	Thousandths
a		1	5	.	8		
b		6	3	.	4	7	
c	2	5	7	.	5	9	
d			9	.	3	6	2
e	4	3	8	.	0	0	5
f	7	0	9	.	2	0	7

a _____

_____

b _____

_____

c _____

d _____

e _____

f _____

Question 2 Write the following as decimal numbers.

a seven-tenths = _____ **b** nine-hundredths = _____

c six and three-hundredths = _____

d nine hundred and seventeen and three-thousandths= _____

e 8 + 6 tenths + 7 hundredths = _____

Question 3 Write the following in expanded form.

a 3.689 = _____

b 69.305 =_____

c 0.837 = _____

Question 4 Write the following in decimal form.

a $8+\frac{3}{10}=$ _____ **b** 4 $10+5$ $1+9$ $\frac{1}{10}+6$ $\frac{1}{100}=$ _____

c 9 $100+5$ $10+7$ $1+7$ $\frac{1}{10}+6$ $\frac{1}{1000}=$_____

Question 5 Write the next three terms to complete the following.

a 0.2, 0.5, 0.8, _____ , _____ , _____

b 0.32, 0.34, 0.36, _____ , _____ , _____

c 0.510, 0.514, 0.518, _____ , _____ , _____

Question 6 Complete each sentence.

a 83.67: the 6 in the _____ place means _____.

b 6.375: the 7 in the _____ place means _____.

c 9.678: the 9 in the _____ place means _____.

d 95.62: the 9 in the _____ place means _____.

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Topic 2: Changing fractions to decimals

Question 1 Write the following as decimals.

a $\frac{7}{10} =$ _____ **b** $\frac{9}{10} =$ _____ **c** $\frac{41}{10} =$ _____ **d** $\frac{63}{10} =$ _____

e $\frac{3}{100} =$ _____ **f** $\frac{15}{100} =$ _____ **g** $\frac{86}{100} =$ _____ **h** $\frac{139}{100} =$ _____

i $\frac{642}{1000} =$ _____ **j** $\frac{835}{1000} =$ _____ **k** $\frac{5637}{10\,000} =$ _____ **l** $\frac{893}{10\,000} =$ _____

Question 2 Change to decimals.

a $8 + \frac{9}{10} =$ _____ **b** $16 + \frac{4}{100} =$ _____ **c** $39 + \frac{3}{100} =$ _____

d $15 + \frac{1}{100} =$ _____ **e** $92 + \frac{3}{10} =$ _____ **f** $125 + \frac{6}{10} =$ _____

g $231 + \frac{36}{1000} =$ _____ **h** $89 + \frac{1}{10} =$ _____ **i** $57 + \frac{9}{10} =$ _____

Question 3 Change each fraction to a decimal.

a $\frac{1}{10} =$ _____ **b** $\frac{4}{10} =$ _____ **c** $\frac{1}{100} =$ _____ **d** $\frac{16}{100} =$ _____

e $\frac{51}{1000} =$ _____ **f** $\frac{2}{5} =$ _____ **g** $\frac{3}{50} =$ _____ **h** $\frac{3}{4} =$ _____

i $\frac{1}{8} =$ _____ **j** $\frac{4}{125} =$ _____ **k** $\frac{3}{8} =$ _____ **l** $\frac{7}{8} =$ _____

Question 4 Express as decimals.

a $\frac{7}{7} =$ _____ **b** $\frac{8}{50} =$ _____ **c** $\frac{3}{5} =$ _____ **d** $\frac{143}{100} =$ _____

e $\frac{67}{1000} =$ _____ **f** $\frac{32}{20} =$ _____ **g** $\frac{39}{50} =$ _____ **h** $\frac{203}{100} =$ _____

i $\frac{493}{1000} =$ _____ **j** $\frac{7}{500} =$ _____ **k** $\frac{9}{250} =$ _____ **l** $\frac{16}{50} =$ _____

m $\frac{31}{25} =$ _____ **n** $\frac{9}{20} =$ _____ **o** $\frac{215}{1000} =$ _____ **p** $\frac{15}{500} =$ _____

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Topic 3: Changing decimals to fractions

QUESTION **1** Write the following as fractions in simplest form.

a 0.5 = _____ **b** 0.7 = _____ **c** 0.9 = _____ **d** 1.1 = _____

e 0.39 = _____ **f** 0.031 = _____ **g** 0.359 = _____ **h** 0.07 = _____

i 0.6 = _____ **j** 0.28 = _____ **k** 0.123 = _____ **l** 0.4 = _____

m 0.001 = _____ **n** 0.008 = _____ **o** 0.09 = _____ **p** 0.003 = _____

QUESTION **2** Change the following decimals to mixed numbers in simplest form.

a 1.3 = _____ **b** 2.5 = _____ **c** 3.8 = _____ **d** 7.91 = _____

e 8.2 = _____ **f** 6.4 = _____ **g** 9.5 = _____ **h** 11.25 = _____

i 4.02 = _____ **j** 9.01 = _____ **k** 6.007 = _____ **l** 8.014 = _____

m 19.23 = _____ **n** 28.34 = _____ **o** 36.95 = _____ **p** 50.6 = _____

QUESTION **3** Change each decimal to a fraction in simplest form.

a 3.2 = _____ **b** 8.5 = _____ **c** 9.2 = _____ **d** 0.8 = _____

e 1.75 = _____ **f** 8.06 = _____ **g** 9.5 = _____ **h** 6.30 = _____

i 9.006 = _____ **j** 6.05 = _____ **k** 8.6 = _____ **l** 14.35 = _____

m 16.84 = _____ **n** 32.35 = _____ **o** 48.25 = _____ **p** 31.04 = _____

QUESTION **4** Express each as a fraction in simplest form.

a 0.23 = _____ **b** 0.128 = _____ **c** 0.36 = _____ **d** 0.84 = _____

e 0.002 = _____ **f** 0.004 = _____ **g** 0.0009 = _____ **h** 0.005 = _____

i 1.5 = _____ **j** 2.8 = _____ **k** 3.7 = _____ **l** 9.25 = _____

m 8.3 = _____ **n** 7.5 = _____ **o** 6.35 = _____ **p** 5.55 = _____

QUESTION **5** Express as a fraction in simplest form.

a 0.08 = _____ **b** 0.04 = _____ **c** 0.05 = _____ **d** 0.06 = _____

e 1.002 = _____ **f** 2.004 = _____ **g** 3.008 = _____ **h** 5.001 = _____

i 12.01 = _____ **j** 18.02 = _____ **k** 43.06 = _____ **l** 92.08 = _____

m 1.8 = _____ **n** 2.6 = _____ **o** 3.1 = _____ **p** 4.2 = _____

q 8.01 = _____ **r** 9.05 = _____ **s** 12.001 = _____ **t** 18.002 = _____

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Topic 4: Addition and subtraction of decimals

QUESTION **1** Add the following.

a 3 + 5.8 = _____ **b** 8 + 9.7 = _____ **c** 9 + 6.31 = _____

d 5 + 10.32 = _____ **e** 4 + 8.6 = _____ **f** 9 + 3.5 = _____

g 6.1 + 3 = _____ **h** 0.8 + 9 = _____ **i** 0.35 + 6 = _____

j 8.3 + 9 = _____ **k** 0.5 + 0.8 = _____ **l** 0.9 + 0.3 = _____

m 5.3 + 3.6 = _____ **n** 8.2 + 1.6 = _____ **o** 9.2 + 8.9 = _____

QUESTION **2** Subtract the following.

a 0.9 – 0.2 = _____ **b** 8.3 – 5.1 = _____ **c** 9.5 – 6.2 = _____

d 10.6 – 3.3 = _____ **e** 15.6 – 8.7 = _____ **f** 12.6 – 10.9 = _____

g 15.7 – 8.8 = _____ **h** 6.37 – 5.18 = _____ **i** 9.3 – 6.5 = _____

j 8.25 – 3.67 = _____ **k** 9.38 – 2.59 = _____ **l** 16.36 – 7.87 = _____

m 9.2 – 2.3 = _____ **n** 0.88 – 0.79 = _____ **o** 0.59 – 0.47 = _____

QUESTION **3** Work out the following.

a 65.9 + 18.63 = _____

b 57.36 + 8.09 = _____

c 41.35 + 15.7 = _____

d 36.127 + 18.36 = _____

e 83.95 – 16.78 = _____

f 25.93 – 14.85 = _____

g 63.48 – 32.49 = _____

h 118.32 – 59.83 = _____

i 581.39 – 83.62 = _____

j 156.105 – 38.08 = _____

k 6393.63 – 89.78 = _____

l 356.139 – 48.321 = _____

QUESTION **4** Add the following.

a 8.69 + 13.56 + 19.2 = _____

b 18.65 + 231.83 + 87.15 = _____

c 15.231 + 8.31 + 123.625 = _____

d 14.63 + 116.38 + 5.23 = _____

e 91.981 + 32.138 + 119.013 = _____

f 234.65 + 18.38 + 9.317 = _____

g 23.612 + 8.105 + 19.31 = _____

h 128.36 + 19.58 + 3.61 = _____

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Topic 5: Multiplication of decimals

Question 1 Multiply the following.

a 0.3 2 = _____ **b** 0.05 7 = _____ **c** 8.6 9 = _____ **d** 4.3 6 = _____

e 0.8 3 = _____ **f** 0.8 4 = _____ **g** 5.2 3 = _____ **h** 3.8 3 = _____

i 0.7 5 = _____ **j** 1.3 5 = _____ **k** 6.4 7 = _____ **l** 8.6 5 = _____

m 1.3 6 = _____ **n** 3.2 4 = _____ **o** 9.2 2 = _____ **p** 9.25 4 = _____

Question 2 Work out the following.

a 8.3 10 = _____ **b** 5.32 100 = _____ **c** 0.38 100 = _____

d 125.34 100 = _____ **e** 0.06 10 = _____ **f** 8.6 100 = _____

g 8.15 1000 = _____ **h** 95.38 100 = _____ **i** 9.8 10 = _____

j 9.35 100 = _____ **k** 9.36 100 = _____ **l** 63.64 10 = _____

Question 3 Calculate the following.

a 0.12 100 = _____ **b** 8.13 100 = _____ **c** 19.65 100 = _____

d 26.36 100 = _____ **e** 5.6 1000 = _____ **f** 8.3 1000 = _____

g 6.32 1000 = _____ **h** 8.123 1000 = _____ **i** 9.13 1000 = _____

j 2.5 1000 = _____ **k** 0.1 1000 = _____ **l** 0.02 1000 = _____

Question 4 Find these products.

a 0.2 20 = _____ **b** 0.8 x 40 = _____ **c** 9.3 60 = _____

d 6.5 80 = _____ **e** 3.2 x 10 = _____ **f** 8.6 100 = _____

g 5.25 1000 = _____ **h** 6.18 10 000 = _____ **i** 31.5 80 = _____

j 6.5 90 = _____ **k** 5.3 70 = _____ **l** 8.15 50 = _____

Question 5 Multiply the following.

a 0.2 0.3 = _____ **b** 0.3 0.8 = _____ **c** 0.9 0.6 = _____

d 9.2 0.3 = _____ **e** 0.8 0.7 = _____ **f** 0.6 0.3 = _____

g 0.9 0.5 = _____ **h** 0.9 0.6 = _____ **i** 0.01 0.2 = _____

j 0.6 0.002 = _____ **k** 1.2 0.7 = _____ **l** 8.3 0.8 = _____

Question 6 Calculate the following.

a 9.01 2.5 = _____ **b** 9.25 3.1 = _____ **c** 6.135 0.1 = _____

d 2.364 3 = _____ **e** 6.87 3.6 = _____ **f** 8.65 1.2 = _____

g 8.3 1.5 = _____ **h** 9.25 0.1 = _____ **i** 9.71 2.1 = _____

j 5.63 0.3 = _____ **k** 9.36 0.2 = _____ **l** 1.25 0.4 = _____

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Topic 6: Division of decimals

QUESTION **1** Work out the following divisions.

a 3.6 ÷ 2 = _____ **b** 8.4 ÷ 2 = _____ **c** 9 ÷ 2 = _____ **d** 11 ÷ 4 = _____

e 5.75 ÷ 5 = _____ **f** 6.25 ÷ 5 = _____ **g** 1.25 ÷ 5 = _____ **h** 8.4 ÷ 4 = _____

i 7.2 ÷ 6 = _____ **j** 9.6 ÷ 6 = _____ **k** 12.6 ÷ 6 = _____ **l** 18 ÷ 5 = _____

m 58 ÷ 4 = _____ **n** 0.954 ÷ 6 = _____ **o** 16.8 ÷ 8 = _____ **p** 120.4 ÷ 8 = _____

QUESTION **2** Calculate the following divisions.

a 64 ÷ 10 = _____ **b** 85 ÷ 10 = _____ **c** 99 ÷ 10 = _____

d 563 ÷ 10 = _____ **e** 83.5 ÷ 10 = _____ **f** 93.4 ÷ 10 = _____

g 112.6 ÷ 10 = _____ **h** 625.8 ÷ 10 = _____ **i** 49.6 ÷ 100 = _____

j 63.7 ÷ 100 = _____ **k** 94.8 ÷ 100 = _____ **l** 124.2 ÷ 100 = _____

QUESTION **3** Evaluate the following divisions.

a 32.1 ÷ 10 = _____ **b** 48.6 ÷ 10 = _____ **c** 59.7 ÷ 10 = _____

d 63.8 ÷ 10 = _____ **e** 9.2 ÷ 100 = _____ **f** 19.6 ÷ 100 = _____

g 29.36 ÷ 100 = _____ **h** 129.5 ÷ 100 = _____ **i** 72.5 ÷ 1000 = _____

j 138.2 ÷ 1000 = _____ **k** 243.9 ÷ 1000 = _____ **l** 563.7 ÷ 1000 = _____

QUESTION **4** Calculate the following divisions.

a 8.5 ÷ 50 = _____ **b** 64.8 ÷ 40 = _____ **c** 72.4 ÷ 400 = _____

d 8.4 ÷ 30 = _____ **e** 45.5 ÷ 500 = _____ **f** 360.3 ÷ 300 = _____

g 81.9 ÷ 90 = _____ **h** 144.12 ÷ 300 = _____ **i** 625.5 ÷ 50 = _____

j 432.8 ÷ 800 = _____ **k** 564.4 ÷ 4000 = _____ **l** 9.45 ÷ 50 = _____

QUESTION **5** Divide the following.

a 9.5 ÷ 0.5 = _____ **b** 6.4 ÷ 0.4 = _____ **c** 8.2 ÷ 0.2 = _____

d 9.3 ÷ 0.3 = _____ **e** 32.84 ÷ 0.04 = _____ **f** 8.24 ÷ 0.08 = _____

g 16.16 ÷ 0.08 = _____ **h** 1.616 ÷ 0.4 = _____ **i** 8.28 ÷ 0.4 = _____

j 5.76 ÷ 0.4 = _____ **k** 1.44 ÷ 0.12 = _____ **l** 8.16 ÷ 0.8 = _____

QUESTION **6** Calculate the following.

a 7.26 ÷ 0.6 = _____ **b** 1.6 ÷ 0.08 = _____ **c** 15.9 ÷ 10 = _____

d 234.6 ÷ 100 = _____ **e** 80.5 ÷ 0.5 = _____ **f** 6.75 ÷ 50 = _____

g 13.26 ÷ 3 = _____ **h** 16.28 ÷ 40 = _____ **i** 114 ÷ 12 = _____

j 30.75 ÷ 5 = _____ **k** 0.625 ÷ 0.5 = _____ **l** 85.48 ÷ 4 = _____

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Topic 7: Comparing decimals

Question 1 Which is greater?

a 0.6 or 0.38 _____ **b** 0.345 or 0.35 _____ **c** 0.8 or 0.089 _____

d 5.3 or 0.53 _____ **e** 0.336 or 0.328 _____ **f** 0.982 or 0.892 _____

Question 2 Which is smaller?

a 0.1 or 0.11 _____ **b** 0.9 or 0.899 _____ **c** 5.3 or 5.29 _____

d 0.90 or 0.09 _____ **e** 0.0067 or 0.008 _____ **f** 4.58 or 4.058 _____

Question 3 Arrange the following numbers in ascending order (smallest to largest).

a 0.404, 0.44, 0.4, 0.04 _____

b 9.09, 0.909, 0.900, 0.009 _____

c 2.3, 2.03, 2.33, 2.003 _____

d 5.6, 56, 0.56, 0.056 _____

e 6.06, 606, 60.66, 606.6 _____

Question 4 Arrange the following numbers in descending order (largest to smallest).

a 7.37, 0.737, 73.7, 7.07, 7.77 _____

b 0.9, 9.9, 9.09, 0.009, 9.009 _____

c 2.8, 2.08, 2.008, 2.808, 8.208 _____

d 8.64, 8.064, 8.648, 86.4, 68.4 _____

e 3.13, 3.113, 31.13, 311.3, 0.3113 _____

Question 5 True or false?

a 0.18 < 0.2 _____ **b** 0.90 > 0.9 _____ **c** 3.6 < 0.36 _____

d 0.6 = .6 _____ **e** 0.488 < 0.4 _____ **f** 0.0002 > 0.003 _____

Question 6 Complete the following using the signs <, = or >.

a 0.2 _____ 0.23 **b** 0.303 _____ 0.003 **c** 46.35 _____ 46.53

d 5.23 _____ 5.32 **e** 8.2 _____ 8.20 **f** 8.609 _____ 8.607

g 0.77 _____ 0.077 **h** 6.40 _____ 6.4000

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Topic 8: Recurring and repeating decimals

Question 1 Which of the following are recurring decimals and which are terminating decimals?

a 0.375 _____ **b** 0.666... _____ **c** 0.5 _____

d $0.\dot{3}$ _____ **e** 5.84 _____ **f** 0.454 545... _____

g 0.5777... _____ **h** 0.6632 _____ **i** 0.593 33... _____

Question 2 Write the following recurring decimals in the shorter way.

a 0.6666... _____ **b** 0.454 545... _____ **c** 0.818 181 81... _____

d 0.1111... _____ **e** 0.313 131... _____ **f** 0.777 77... _____

g 0.121 212... _____ **h** 0.545 454... _____ **i** 0.8888... _____

Question 3 Which of the following are recurring decimals?

a $\frac{3}{5}$ _____ **b** $\frac{2}{3}$ _____ **c** $5\frac{1}{8}$ _____

d $\frac{7}{100}$ _____ **e** $\frac{9}{18}$ _____ **f** $\frac{5}{7}$ _____

g $\frac{6}{7}$ _____ **h** $\frac{1}{3}$ _____ **i** $\frac{2}{9}$ _____

Question 4 Write the following as recurring decimals.

a $\frac{1}{3}$ = _____ **b** $\frac{2}{3}$ = _____ **c** $\frac{1}{6}$ = _____

d $\frac{5}{33}$ = _____ **e** $\frac{9}{11}$ = _____ **f** $\frac{4}{11}$ = _____

g $\frac{4}{9}$ = _____ **h** $\frac{8}{27}$ = _____ **i** $\frac{3}{7}$ = _____

Question 5 Write as recurring decimals.

a $\frac{9}{37}$ = _____ **b** $\frac{5}{11}$ = _____ **c** $\frac{8}{12}$ = _____

d $\frac{4}{22}$ = _____ **e** $\frac{8}{44}$ = _____ **f** $\frac{5}{27}$ = _____

g $\frac{10}{11}$ = _____ **h** $\frac{2}{7}$ = _____ **i** $\frac{4}{15}$ = _____

j $\frac{2}{11}$ = _____ **k** $\frac{5}{6}$ = _____ **l** $\frac{4}{13}$ = _____

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Topic 9: Rounding off decimals

QUESTION **1** Express the following decimals correct to two decimal places.

a 3.8751 = _____ **b** 8.652 = _____ **c** 3.1283 = _____

d 15.6231 = _____ **e** 29.9315 = _____ **f** 82.2518 = _____

g 33.6157 = _____ **h** 79.123 = _____ **i** 38.0167 = _____

j 59.208 = _____ **k** 39.3486 = _____ **l** 69.6723 = _____

QUESTION **2** Round off the following decimals correct to one decimal place.

a 23.368 = _____ **b** 43.626 = _____ **c** 69.861 = _____

d 52.8534 = _____ **e** 84.709 = _____ **f** 73.355 = _____

g 29.257 = _____ **h** 63.164 = _____ **i** 93.537 = _____

j 32.817 = _____ **k** 64.259 = _____ **l** 71.128 = _____

QUESTION **3** Write the following decimals to the nearest tenth.

a 20.529 = _____ **b** 79.84 = _____ **c** 33.736 = _____

d 18.789 = _____ **e** 37.215 = _____ **f** 97.568 = _____

g 43.827 = _____ **h** 51.853 = _____ **i** 65.377 = _____

j 62.123 = _____ **k** 85.832 = _____ **l** 53.794 = _____

QUESTION **4** Write the following decimals to the nearest hundredth.

a 15.364 = _____ **b** 56.751 = _____ **c** 96.417 = _____

d 28.638 = _____ **e** 68.125 = _____ **f** 112.863 = _____

g 39.927 = _____ **h** 75.764 = _____ **i** 29.571 = _____

j 43.234 = _____ **k** 83.215 = _____ **l** 38.642 = _____

QUESTION **5** Round off the following decimals to the number of decimal places shown in brackets.

a 5.834 [1] = _____ **b** 13.6145 [2] = _____ **c** 54.6124 [3] = _____

d 25.639 [2] = _____ **e** 36.1231 [3] = _____ **f** 63.827 [2] = _____

g 93.2351 [3] = _____ **h** 38.543 [1] = _____ **i** 69.185 [2] = _____

j 67.1385 [2] = _____ **k** 43.865 [2] = _____ **l** 72.239 [1] = _____

QUESTION **6** Round off to the number of decimal places shown in brackets.

a 3.875 [1] = _____ **b** 43.867 [2] = _____ **c** 78.8614 [3] = _____

d 10.671 [2] = _____ **e** 56.3145 [2] = _____ **f** 92.631 [1] = _____

g 25.1283 [3] = _____ **h** 73.214 [1] = _____ **i** 86.123 [2] = _____

j 39.256 [2] = _____ **k** 68.137 [1] = _____ **l** 97.235 [2] = _____

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Topic 10: Problem solving with decimals

1 Find the sum of 83.6 m, 6.9 m and 23.5 m

_____

2 Add 312.9, 21.6 and 438.5

_____

3 A rectangle is 4.95 cm long and 3.12 cm wide. Find its perimeter.

_____

4 A room is 8.2 m long and 5.3 m wide. Find the area of the room.

_____

5 Find the cost of 63 books at $48.95 each.

_____

6 Find the total length of 90 blocks of wood that are each 4.75 metres long.

_____

7 A car travels 220.5 km each day. What distance does it travel in 200 days?

_____

8 What is the difference between 12.35 and 6.24?

_____

9 To the sum of 15.4 and 8.35, add the product of 0.8 and 2.5

_____

10 From the sum of 53.67 and 138.56, take away 84.9

_____

11 Find the difference between 2 and 0.0058

_____

12 Subtract the smallest decimal from the largest: 0.0255 0.0268 0.0632 0.0603

_____

13 A car can travel 8.35 km on 1 L of fuel. How far would it travel on a full tank of 60 L?

_____

14 David is paid $15.60 a week to mow the lawn. How much does he earn in a year?

_____

15 6 kg of nuts cost $56.70. What is the cost per kilogram?

_____

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Topic Test — PART A

Instructions This part consists of 12 multiple-choice questions
Each question is worth 1 marks
Fill in only ONE CIRCLE for each question
Calculators are NOT allowed

Time allowed: 15 minutes **Total marks = 12**

					Marks
1	$(0.3)^2$ equals				
	Ⓐ 0.09	Ⓑ 0.9	Ⓒ 9.0	Ⓓ 0.03	1
2	8.3 + 2.5 equals				
	Ⓐ 11.8	Ⓑ 10.8	Ⓒ 5.8	Ⓓ 20.75	1
3	6.7 – 4.71 equals				
	Ⓐ 2.53	Ⓑ 11.41	Ⓒ 1.99	Ⓓ 2.99	1
4	$3+\frac{3}{10}+\frac{3}{1000}$ equals				
	Ⓐ 3.333	Ⓑ 3.033	Ⓒ 3.330	Ⓓ 3.303	1
5	0.625 ÷ 5 equals				
	Ⓐ 0.125	Ⓑ 0.25	Ⓒ 0.105	Ⓓ 1.25	1
6	Which is the largest?				
	Ⓐ 4.4	Ⓑ 4.44	Ⓒ 4.04	Ⓓ 4.404	1
7	20 ÷ 0.05 equals				
	Ⓐ 200	Ⓑ 300	Ⓒ 400	Ⓓ 1000	1
8	$1-\frac{70}{1000}$ equals				
	Ⓐ 0.30	Ⓑ 0.7	Ⓒ 0.93	Ⓓ 0.933	1
9	Divide $16.45 equally among 7 children.				
	Ⓐ $2.65	Ⓑ $2.45	Ⓒ $2.35	Ⓓ $2.25	1
10	Which is the smallest?				
	Ⓐ 0.21	Ⓑ 0.122	Ⓒ 0.12	Ⓓ 0.121	1

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		Marks
11	0.7 + 0.7 equals Ⓐ 0.77 Ⓑ 1.4 Ⓒ 7.1 Ⓓ 0.49	1
12	5 3.27 equals Ⓐ 16.35 Ⓑ 15.53 Ⓒ 13.87 Ⓓ 17.32	1
13	0.9 metres is Ⓐ 90 cm Ⓑ 9 cm Ⓒ 90 mm Ⓓ 9 mm	1
14	The average of 0.04, 0.4, 4.44 and 4.0 is Ⓐ 4.4 Ⓑ 4.04 Ⓒ 2.44 Ⓓ 2.22	1
15	$\frac{1}{3}(3.7+6.2)$ equals Ⓐ 4.5 Ⓑ 5.2 Ⓒ 4.33 Ⓓ 3.3	1
	Total marks achieved for PART A	/15

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Topic Test — PART B

Instructions This part consists of 15 questions
Each question is worth 1 marks
Write answers in the answers-only column

Time allowed: 20 minutes **Total marks = 15**

Questions	Answers only	Marks
1 What is the value of 6 in the number 543.7612?		1
2 Write 8.452 in expanded form.		1
3 Arrange these numbers in ascending order: 0.3, 0.033, 0.33, 0.303		1
4 Insert < or >: 8.1 _____ 8.09		1
5 Write 0.6 as a fraction.		1
6 Add 4.35, 8.43 and 4.12		1
7 Evaluate 985.12 ⎪ 1000		1
8 Evaluate 4.5 0.2		1
9 Find the cost of 15 oranges at 16 cents each.		1
10 Evaluate 68.01 ⎪ 3		1
11 Evaluate 94.236 ⎪ 1.2		1
12 Write $\frac{1}{3}$ as a recurring decimal.		1
13 Round off 25.4752 to 2 decimal places.		1
14 Round off 481.637 to the nearest tenth.		1
15 Simplify 2.54 + 1.5 4		1

Total marks achieved for PART B 15

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Decimals

Topic Test — PART C

Instructions This part consists of 4 questions
Each question is worth 5 marks
Show all necessary

Time allowed: 20 minutes **Total marks = 20**

Questions **Marks**

1 Find answers to the following. **Marks**

a 1.34 + 2.6 = _____ **b** 5.6 – 3.9 = _____

c 12.5 × 5 = _____ **d** 48.5 × 0.6 = _____

e 0.84 ÷ 2 = _____ **5**

2 **a** Write 9.035 in expanded notation.

_____

b Arrange in descending order; 0.8, 0.12, 0.6 _____

Evaluate the following.

c 0.004 × 0.5 = _____ **d** $(0.02)^2$ = _____

e 0.36 + 14.5 + 7 = _____ **5**

3 Say whether each of the following decimals is terminating or recurring.

a 0.36 _____

b 1.383 838... _____

c 3.857 _____

Round off the following decimals correct to 2 decimal places.

d 89.683 = _____

e 9.385 = _____ **5**

4 Write each of the following as a decimal.

a $6\frac{55}{100}$ = _____ **b** $9 + \frac{3}{10} + \frac{7}{100}$ = _____

c $7\frac{7}{1000}$ = _____ **d** $\frac{3}{8}$ = _____

e $\frac{5}{6}$ = _____ **5**

Total marks achieved for PART C 20

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