Decimals - Practice Exercises Answers

Answer 1:

Convert the fractions to decimals:

No.	Fraction	Decimal
1	50/300	0.166
2	4/7	0.571
3	29/32	0.906
4	$4\frac{5}{6}$	4.833
5	108/216	0.5

Answer 2:

Convert these decimals into fractions:

No.	Decimal	Fraction
1	2.30	$2\frac{3}{10}$
2	0.425	17/40
3	4.5	$4\frac{1}{2}$
4	0.8	4/5
5	1.3	$1\frac{3}{10}$

Answer 3:

Which of the decimals is bigger?

No.	Decimal 1	Decimal 2	Answers
1	0.32	0.320	Same
2	0.1333	0.130	0.1333
3	1.25	1.205	1.25
4	23.9999	23.9989	23.9999
5	1.42	0.62	1.42

Answer 4:

Add the two decimals to get the answers:

No.	Decimal 1	Decimal 2	Answers
1	0.32	0.320	0.64
2	0.1333	0.130	0.2633
3	1.25	1.205	2.455
4	23.9999	23.9989	47.9988
5	1.42	0.62	2.04

Answer 5:

Subtract decimal 2 from decimal 1:

No.	Decimal 1	Decimal 2	Answers
1	3.31	3.031	0.279
2	1.425	0.25	1.175
3	99.1	9.91	89.19
4	5.65	0.565	5.085
5	4.0266	0.266	3.7606

Answer 6:

Multiply these decimals:

No.	Decimal 1	Decimal 2	Answers
1	3.31	3.031	10.03261
2	1.425	0.25	0.35625
3	9.19	9.91	91.0729
4	5.65	0.565	3.19225
5	4.0266	0.266	1.071076

Answer 7:

Divide decimal 1 by decimal 2:

No.	Decimal 1	Decimal 2	Answers
1	0.32	0.320	1
2	1.135	0.130	8.73
3	1.25	1.205	1.037
4	22.9	0.15	152.66
5	1.42	0.62	2.29

Answer 8:

Total length= 20 cm

Total pieces 5

Total length of 4 pieces:

(4.2 + 2.3 + 5.625 + 5.32) cm

= 17.445 cm

So, the 5th stick needs to be (20-17.445) = **2.555 cm** long.

Answer 9:

Drake bought 2 kg potato at $3.5/kg

So, the total price of potatoes = $ (2 x 3.5) = $ 7.00

Drake bought 1.5 kg capsicum at $4.5/kg

So, the total price of capsicums = $ (1.5 x 4.5) = $ 6.75

In total, Drake spent $(7.00 + 6.75) = $13.75

He gave $50 at the checkout.

Hence, in return he'd get, $(50-13.75) = **$ 36.25.**

Answer 10:

Ms Cordonia has $1043.656 in her account.

She will divide this between 4 (1 niece and 3 nephews) equally.

So, each will get $(1043.656/4) = $ 260.914

Her 3 nephews will get $(260.914 x 3) = **$782.42** in total.