To divide a decimal number by an integer - Questions

1. Decide whether to use sharing or grouping to solve these calculations. Use a place value grid to show what you have done:

a. 7.55 divided by 5 =

b. 8.16 divided by 3 =

c. 3.3 divided by 6 =

Use the part, part, whole method to solve:

d. 8.48 divided by 2 =

e. 6.9 divided by 3 =

f. 6.12 divided by 3 =

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2. Use short division to calculate the answer to these calculations:

a. 5.65kg divided by 5 =

b. 7.28 divided by 4 =

c. 91.8 divided by 6 =

d. 8.466 divided by 6 =

e. Tom buys four notebooks for £3.04. The notebooks all cost the same amount. How much does one notebook cost? Use the short division method to find the answer.

f. A bag of 6 identical lemons weighs 0.84kg How much does 1 lemon weigh? Use short division to find the answer.

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3. True or False? Complete the calculation to show that you are correct.

a. There are four lots of 0.21 in 0.84.

b. $96.36 \div 3 = 32.23$

c. $0.55 \div 5 = 0.5$

d. $86.24 \div 2 = 43.12$

e. If £5.65 is shared equally between 5 people, they will each have £1.13

To divide a decimal number by an integer - Answers

Question No.	Question	Answer
1	Decide whether to use sharing or grouping to solve these calculations. Use a place value grid to show what you have done: a. 7.55 divided by 5 = b. 8.16 divided by 3 = c. 3.3 divided by 6 = Use the part, part, whole method to solve: d. 8.48 divided by 2 = e. 6.9 divided by 3 = f. 6.12 divided by 3 =	a. 7.55 divided by 5 = 1.51 b. 8.16 divided by 3 = 2.72 c. 3.3 divided by 6 = 0.55 d. 8.48 divided by 2 = 4.24 e. 6.9 divided by 3 = 2.3 f. 6.12 divided by 3 = 2.04
2	Use short division to calculate the answer to these calculations: a. 5.65kg divided by 5 = b. 7.28 divided by 4 = c. 91.8 divided by 6 = d. 8.466 divided by 6 = e. Tom buys four notebooks for £3.04. The notebooks all cost the same amount. How much does one notebook cost? Use the short division method to find the answer. f. A bag of 6 identical lemons weighs 0.84kg How much does 1 lemon weigh? Use short division to find the answer.	a. 5.65Kg divided by 5 = 1.13kg b. 7.28 divided by 4 = 1.82 c. 91.8 divided by 6 = 15.3 d. 8.466 divided by 6 = 1.411 e. 76p f. 0.14kg each
3	True or False? Complete the calculation to show that you are correct. a. There are four lots of 0.21 in 0.84. b. $96.36 \div 3 = 32.23$ c. $0.55 \div 5 = 0.5$ d. $86.24 \div 2 = 43.12$ e. If £5.65 is shared equally between 5 people, they will each have £1.13	a. True b. False c. False d. True e. True All answers should include the written calculation needed to show that the statement is true or false.