LO: To divide a decimal by an integer.

Absurd Challenge

Calculate:

a) 8.6 ÷ 2 = 4.3 b) 9.6 ÷ 3 = 3.2 c) 2.8 ÷ 2 = 1.4

d) 5.5 ÷ 5 = 1.1 e) 6.4 ÷ 2 = 3.2 f) 6.3 ÷ 3 = 2.1

Find the missing integers:

a) 2.4 x 3 = 7.2 b) 1.6 x 4 = 6.4 c) 2.4 x 4 = 9.6

Answer these word problems:

Rubina wants to split 7.5 into 5 equal parts. What is one part equal to? 1.5

Ingvar wants to split 5.1 in to 3 equal parts. What is one part equal to? 1.7

Megan has a 2.7m length of ribbon. She wants to cut it into 3 equal parts. How long is each part? 0.9m or 90cm

True or False?

a) 6.5 ÷ 5 = 1.5 False (1.3) b) 3.9 ÷ 3 = 3.3 False (1.3) c) 7.2 ÷ 4 = 1.6 False (1.8)

Explain your answers.

Calculate the missing numbers:

	2	.	3
4	9	.	2

	2	.	7
3	8	.	1

	3	.	6
2	7	.	2

	1	.	9
5	9	.	5

Laughable Challenge

Calculate:

a) 6.69 ÷ 3 = 2.23 b) 8.84 ÷ 4 = 2.21 c) 4.52 ÷ 4 = 1.13

d) 6.48 ÷ 8 = 0.81 e) 9.66 ÷ 6 = 1.61 f) 4.59 ÷ 9 = 0.51

Find the missing numbers:

a) 4.14 x 2 = 8.28 b) 1.31 x 5 = 6.55 c) 1.09 x 8 = 8.72

Answer these word problems:

Ellie wants to split the number 7.59 into 3 equal parts. What is one part equal to? 2.53

Jimmy wants to split the number 5.75 into 5 equal parts. What is one part equal to? 1.15

Mary has a 4.65m length of ribbon. She wants to wrap five equally sized presents. How much ribbon does each parcel have? 0.93m or 93cm

True or False?

a) 6.84 ÷ 4 = 1.73 False (1.71) b) 8.19 ÷ 9 = 0.81 False (0.91) c) 4.56 ÷ 6 = 0.78 False (0.76)

Explain your answers.

Calculate the missing numbers:

	2	.	1	2
4	8	.	4	8

	1	.	1	4
7	7	.	9	8

	0	.	8	1
6	4	.	8	6

	1	.	0	4
8	8	.	3	2

Ridiculous Challenge

Calculate:

a) seven ones and 714 thousandths ÷ 7 = 1.102
b) five ones and 812 thousandths ÷ 4 = 1.453
c) 11.364 ÷ six = 1.894
d) 9.558 ÷ nine = 1.062
e) 3.367 ÷ seven = 0.481
f) 8.085 ÷ five = 1.617

Find the missing digits:

a) 1.079 x 9 = 9.711
b) 1.235 x 7 = 8.645
c) 3.295 x 3 = 9.885
d) 0.337 x 8 = 2.696

Answer these word problems:

a) Jess wants to split eight ones, ten tenths, seventy-six thousandths into four equal parts. What is one part equal to? 2.269

b) Faizan wants to split six ones, eleven tenths, three hundredths and sixteen thousandths into six equal parts. What is one part equal to? 1.191

c) Russell wants to complete a hole in golf in three equal shots. The tee is 162.63 m from the hole. Exactly how far does each shot need to be? 54.21m

Ture or False?

a) eight ones, ten tenths and twenty-seven thousandths ÷ 9 = 1.03 False (1.003)
b) seven ones, eighty-nine hundredths and three thousandths ÷ 3 = 2.633 False (2.631)
Explain your answers.

Calculate the missing numbers:

	2	.	0	2	7
4	8	.	1	0	8

	1	.	1	0	6
9	9	.	9	5	4

	4	.	3	9	9
2	8	.	7	9	8

	1	.	0	0	3
7	7	.	0	2	1