

# LO: To divide a decimal by an integer.

## Absurd Challenge

### Calculate:

a)  $8.6 \div 2 =$

b)  $9.6 \div 3 =$

c)  $2.8 \div 2 =$

d)  $5.5 \div 5 =$

e)  $6.4 \div 2 =$

f)  $6.3 \div 3 =$

### Find the missing integers:

a)  $? \times 3 = 7.2$

b)  $? \times 4 = 6.4$

c)  $? \times 4 = 9.6$

### Answer these word problems:

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

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

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

### True or False?

a)  $6.5 \div 5 = 1.5$

b)  $3.9 \div 3 = 3.3$

c)  $7.2 \div 4 = 1.6$

Explain your answers.

### Calculate the missing numbers:

	2	.	3
4	9	.	?

	2	.	7
3	?	.	1

	3	.	6
2	?	.	2

	1	.	9
5	9	.	?

## Laughable Challenge

### Calculate:

a)  $6.69 \div 3 =$

b)  $8.84 \div 4 =$

c)  $4.52 \div 4 =$

d)  $6.48 \div 8 =$

e)  $9.66 \div 6 =$

f)  $4.59 \div 9 =$

### Find the missing numbers:

a)  $? \times 2 = 8.28$

b)  $? \times 5 = 6.55$

c)  $? \times 8 = 8.72$

### Answer these word problems:

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

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

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

### True or False?

a)  $6.84 \div 4 = 1.73$

b)  $8.19 \div 9 = 0.81$

c)  $4.56 \div 6 = 0.78$

Explain your answers.

### Calculate the missing numbers:

	2	.	1	2
4	8	.	?	8

	1	.	1	4
7	7	.	9	?

	0	.	8	1
6	4	.	?	6

	1	.	0	4
8	8	.	3	?

## **Ridiculous Challenge**

### **Calculate:**

- a) seven ones and 714 thousandths  $\div 7 =$
- b) five ones and 812 thousandths  $\div 4 =$
- c)  $11.364 \div \text{six} =$
- d)  $9.558 \div \text{nine} =$
- e)  $3.367 \div \text{seven} =$
- f)  $8.085 \div \text{five} =$

### **Find the missing digits:**

- a)  $? \times 9 = 9.711$
- b)  $? \times 7 = 8.645$
- c)  $? \times 3 = 9.885$
- d)  $? \times 8 = 2.696$

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

### **Ture or False?**

- a) eight ones, ten tenths and twenty-seven thousandths  $\div 9 = 1.03$
  - b) seven ones, eighty-nine hundredths and three thousandths  $\div 3 = 2.633$
- Explain your answers.

### **Calculate the missing numbers:**

	2	.	0	2	7
4	8	.	?	0	8

	1	.	1	0	6
9	9	.	?	5	4

	4	.	3	9	9
2	8	.	7	9	?

	1	.	0	0	3
7	7	.	0	2	?