



Unit 1

Name: _____

Lesson 3.1

Grade 7A

Date: _____

Multiplying and dividing by 0.1 and 0.01

Worksheet (2)

Objective(s): Use knowledge of place value to multiply and divide integers and decimals by 0.1 and 0.01.

Quick Rules for Students

- Multiply by 0.1 → divide by 10
- Multiply by 0.01 → divide by 100
- Divide by 0.1 → multiply by 10
- Divide by 0.01 → multiply by 100

Q1. Calculate the following.

a. 345×0.1 _____

b. 12.6×0.01 _____

c. 0.75×0.1 _____

d. 9.08×0.01 _____

e. $480 \div 0.1$ _____

f. $5.2 \div 0.01$ _____

g. $0.63 \div 0.1$ _____

h. $0.047 \div 0.01$ _____

Q2. Find the missing

a. _____ $\times 0.1 = 3.5$

b. $8.24 \div$ _____ $= 824$

c. $0.056 \times$ _____ $= 0.00056$

d. _____ $\div 0.01 = 37$

Q3. Yara uses the formula $E=0.1C$, where E is the extra cost and C is the cost of an item.

- Work out the extra cost when $C = \$344.5$

Q4. A store charges a delivery fee equal to **0.01 of the cost** of an order.

- If the order is **\$256**, how much is the delivery fee?

Q5. A phone company charges **10% (which is 0.1)** of the monthly bill as a late payment fee.

- If the bill is \$82.50, how much is the late fee?

Q6. A school trip costs a total of \$64. The teacher says that this is **0.1 of the total money collected from all students**.

- How much money did the students collect in total?

Q7. A rectangle has a **width of 0.1 m** and a **length of 765 m**.

- Find its area.

Q8. The length of a rectangle is **344.5 cm** and its width is **0.01 cm**.

- Work out its area.

Q9. A right-angled triangle has a **base of 0.1 m** and a **height of 68 m**.

- Find its area.

Q10. A right-angled triangle has an area of **22.25 m²** and a height of **0.1 m**.

- Work out the base.