

Decimals Review

Everything You Should Know By Friday

Fractions and Decimals

1. Write each fraction as a decimal. If you used a calculator, write a C beside the answer. If you didn't use a calculator, **show all work**.

a) $\frac{4}{5}$

b) $\frac{1}{6}$

c) $\frac{5}{8}$

d) $\frac{6}{20}$

e) $\frac{7}{50}$

2. Write each decimal as a fraction. Write the fractions in **simplest form**.

a) 0.45

b) $1.\bar{4}$

c) 0.6

d) $0.\overline{07}$

e) 2.5

Adding and Subtracting Decimals

3. Add the following decimals. **Show all work**.

a) $14.5 + 0.9$

b) $143.1 + 1.431$

c) $19.678 + 17$

4. Lily is training for a half-marathon. On Saturday, she ran 3.57 km. On Sunday, she ran 11.4 km. How many kilometres did she run all weekend?
5. Subtract the following decimals. **Show all work.**
- a) $14.5 - 0.9$ b) $143.1 - 1.431$ c) $19.678 - 17$
6. The tallest building in Vancouver is an apartment called Two Gilmore Place. It's 215.88 metres tall. The second tallest is an apartment called Living Shangri-La. It's 201.4 metres tall. How much taller is Two Gilmore Place than Living Shangri-La?

Multiplying Decimals

7. Multiply the following decimals. *Draw a diagram to show your work.* **Show all work.** You can use pictures or a number line.
- a) 0.5×4 b) 0.25×6 c) 0.4×3

8. Multiply the following decimals. **Show all work.**
For each, write an estimate first. (Round to friendly numbers)

a) 1.12×4

Est: _____

b) 14.8×0.98

Est: _____

c) 125.1×2.11

Est: _____

9. Find the cost of each item at the Farmers' Market.

a) 2.26 kg of apples at \$0.98/kg

Est: _____

b) 10.6 kg of potatoes at \$1.09/kg

Est: _____

c) 0.45 kg of herbs at \$2.52/kg

Est: _____



Order of Operations

10. Complete the following Order of Operations problems. Show each step.

a) $4.1 + 5 \times 6.4 - 3.2$

b) $(4.1 + 5) \times (6.4 - 3.2)$

Putting it All Together

11. Ryan earns \$22.50 a day walking dogs. He walked dogs 5 days last week.

a) How much money did Ryan earn last week?

Ryan is saving to buy a skateboard and safety equipment.

The skateboard cost \$89.95.

A helmet costs \$22.90.

A set of elbow, knee, and wrist guards costs \$24.95.

b) After a week of walking dogs, does Ryan have enough money to buy the equipment?

Show your work.

c) If your answer to part b is no, how much more money does Ryan need?