OPERATIONS WITH DECIMAL NUMBERS

A COLUMN ADDITION AND SUBTRACTION

A.1 ADDING DECIMAL NUMBERS

Ex 1:

$$\begin{array}{r} 9.7 \\ +\ \ 0.5 \\ \hline \square \end{array}$$

Ex 2:

$$\begin{array}{r} 2.4\ 6 \\ +\ 2.7 \\ \hline \square \end{array}$$

Ex 3:

$$\begin{array}{r} 2\ 3.8\ 3 \\ +\ \ 2.7 \\ \hline \square \end{array}$$

Ex 4: Calculate $2.46 + 2.7 =$ $\square$

Ex 5: Calculate $290.3 + 120.2 =$ $\square$

A.2 SUBTRACTING DECIMAL NUMBERS

Ex 6:

$$\begin{array}{r} 3.8 \\ -\ 2.9 \\ \hline \square \end{array}$$

Ex 7:

$$\begin{array}{r} 1\ 0.8 \\ -\ \ 6.6 \\ \hline \square \end{array}$$

Ex 8:

$$\begin{array}{r} 2\ 0\ 0.2 \\ -\ \ \ \ 9.1 \\ \hline \square \end{array}$$

Ex 9: Calculate $120 - 20.5 =$ $\square$

Ex 10: Calculate $20.5 - 12.35 =$ $\square$

A.3 SOLVING REAL-WORLD PROBLEMS

Ex 11: If you have 20 dollars in your piggy bank and someone gives you an additional 10.50 dollars, how much do you have now?

Total=$\square$ dollars

Ex 12: If you give a seller 10 dollars and buy an item costing 2.30 dollars, calculate how much money the seller should give you back.

Change returned=$\square$ dollars

Ex 13: If you start with 230.20 dollars and someone gives you an additional 95 dollars, how much do you have now?

Total=$\square$ dollars

Ex 14: If you give a cashier 20 dollars and buy a sandwich that costs 6.45 dollars, calculate how much money the cashier should give you back.

Change returned=$\square$ dollars

B COLUMN MULTIPLICATION

B.1 MULTIPLYING DECIMAL NUMBERS

Ex 15:

$$\begin{array}{r} 2.4 \\ \times\ 1.5 \\ \hline \\ \hline \square \end{array}$$

Ex 16:

$$\begin{array}{r} 4\ 9 \\ \times\ 1.5 \\ \hline \\ \hline \square \end{array}$$

Ex 17:

$$\begin{array}{r} 1\ 0.2 \\ \times\ \ \ 2.3 \\ \hline \\ \hline \square \end{array}$$

Ex 18: Calculate $1.25 \times 0.23 =$ $\square$

Ex 19: Calculate $300 \times 0.99 =$ $\square$

B.2 SOLVING REAL-WORLD PROBLEMS

Ex 20: If a man's height is 1.6 times that of his daughter, who is 125 cm tall, determine the height of the man.

Man's height= ☐ cm

Ex 21: You buy 3 kg of apples. The price per kilogram is $ 1.5. Find the total cost.

Total cost = ☐ dollars

Ex 22: If the price of an item is 1.75 times the price of another item that costs 40 dollars, find the price of the more expensive item.

Price of the more expensive item= ☐ dollars

Ex 23: You buy 2.5 kg of beef meat. The price per kilogram is 14 dollars. Find the total cost.

Total cost = ☐ dollars

C LONG DIVISION

C.1 DIVIDING BY WHOLE NUMBERS

$2\overline{)44.2}$

Ex 24: Calculate $44.2 \div 2 =$ ☐

$8\overline{)97.6}$

Ex 25: Calculate $97.6 \div 8 =$ ☐

$5\overline{)154.5}$

Ex 26: Calculate $154.5 \div 5 =$ ☐

$20\overline{)60.2}$

Ex 27: Calculate $60.2 \div 20 =$ ☐

$13\overline{)33.8}$

Ex 28: Calculate $33.8 \div 13 =$ ☐

C.2 DIVIDING BY DECIMAL NUMBERS

Ex 29: Calculate:

$44.2 \div 0.2 =$ ☐

Ex 30: Calculate:

$6.75 \div 0.5 =$ ☐

Ex 31: Calculate:

$8.19 \div 0.03 =$ ☐

C.3 SOLVING REAL-WORLD PROBLEMS

Ex 32: If you share $1.00 equally among 4 friends, how much does each friend get?

Share per friend = ☐ $

Ex 33: The cost of 6 pens is $38.10. Find the cost of 1 pen.

Cost of 1 pen = ☐ $

Ex 34: A container holds 4 liters of juice that is distributed equally among 5 bottles. How many liters does each bottle contain?

Juice per bottle = ☐ liters

Ex 35: A cake recipe requires 2.5 cups of flour to make a cake for 4 people. Find the amount of flour needed per person.

Flour needed per person = ☐ cups