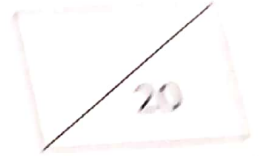




Name : _____ Gr:4 Sec: _____ Date : _____



[7 Marks

I. Fill in the blanks.

a) When adding or subtracting decimals, we can estimate the answer by rounding off the decimals to the nearest whole numbers first.

b) We can express a whole number as a decimal by adding "." and zero(s) to it.

c) The estimated value of 64.59 is 65.

d) 9 tenths + 3 tenths = 12 tenths.

e) 8 tenths - 3 tenths = 5 tenths.

f) 4 hundredths + 5 hundredths = 9 hundredths.

(2 marks each)

2) Add

a) 0.4 and $0.06 = 0.46$
 0.40

$$\begin{array}{r} 0.40 \\ + 0.06 \\ \hline 0.46 \end{array}$$

b) $0.05 + 7 = 7.05$
 7.00

$$\begin{array}{r} 0.05 \\ + 7.00 \\ \hline 7.05 \end{array}$$

3) Subtract

a) 0.8 from $3 = 2.2$
 3.0

$$\begin{array}{r} 2 \quad 10 \\ \cancel{3} \cdot \cancel{0} \\ - 0.8 \\ \hline 2.2 \end{array}$$

b) $32.46 - 17.94 =$

$$\begin{array}{r} 2 \quad 11 \quad 14 \\ \cancel{32} \cdot \cancel{46} \\ - 17.94 \\ \hline 14.52 \end{array}$$

c) $68.03 - 17.2 = 50.83$

(2 marks each)

i) Estimate by rounding each decimal to the nearest whole numbers. Check whether the answer obtained is reasonable or not by performing the actual subtraction

$$9.64 - 5.5 = 10 - 6 = 4$$

$$7.69 - 5.5 = 4.14$$

$$9.64$$

$$5.50$$

$$4.14$$

$$b) 4.6 - 2.8 = 5 - 3 = 2$$

$$4.6 - 2.8 = 1.8$$

$$\begin{array}{r} 4.6 \\ - 2.8 \\ \hline \end{array}$$

$$1.8$$

(2 marks)

iii) has a mass of 35.5 kg and Joel has a mass of 20.3 kg. Estimate their total

$$35.5 \text{ kg} + 20.3 \text{ kg}$$

↓ + ↓

$$\underline{36 \text{ kg}} + \underline{20 \text{ kg}} = 56 \text{ kg}$$

Actual

$$\begin{array}{r} 35.5 \text{ kg} \\ + 20.3 \text{ kg} \\ \hline 55.8 \text{ kg} \end{array}$$

Their estimated total mass is 56 kg.

(2 marks each)

4) Estimate by rounding each decimal to the nearest whole numbers. Check whether the answer obtained is reasonable or not by performing the actual subtraction.

$$\begin{aligned} \text{a) } 9.64 - 5.5 &\approx 10 - 6 \\ &= 4 \end{aligned}$$

$$9.64 - 5.5 = 4.14$$

$$\begin{array}{r} 9.64 \\ - 5.50 \\ \hline 4.14 \end{array}$$

$$\begin{aligned} \text{b) } 4.6 - 2.8 &\approx 5 - 3 \\ &= 2 \end{aligned}$$

$$4.6 - 2.8 = 1.8$$

$$\begin{array}{r} 3 \quad 16 \\ \cancel{4.6} \\ - 2.8 \\ \hline 1.8 \end{array}$$

(2 marks)

Sam has a mass of 35.5 kg and Joel has a mass of 20.3 kg. Estimate their total mass.

$$\begin{array}{r} 35.5 \text{ kg} + 20.3 \text{ kg} \\ \downarrow \quad + \quad \downarrow \\ \underline{36 \text{ kg}} + \underline{20 \text{ kg}} = 56 \text{ kg} \end{array}$$

$$\begin{array}{r} \text{Actual} \\ 35.5 \text{ kg} \\ + 20.3 \text{ kg} \\ \hline \underline{55.8 \text{ kg}} \end{array}$$

Their estimated total mass is 56 kg.