

P.5 MATHS LESSON NOTES OCTOBER WEEK 2

LESSON 1

Comparing decimal fractions using signs \geq or \leq (using a number line)

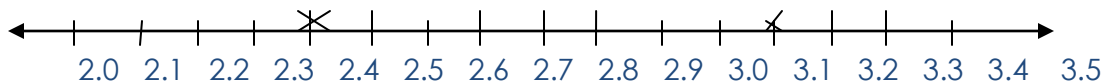
Example

1. Which is less than the other 0.5 or 0.3?



0.3 is to the left of 0.5 which means $0.3 \leq 0.5$

2. Compare 2.4 and 3.2 which is bigger or greater?



3.2 is to the right of 2.4 which means $3.2 \geq 2.4$

or Using LCM

ACTIVITY:

Compare these decimal numbers using the signs $>$, $<$ or $=$.

1. $0.8 \dots\dots\dots 0.4$

2. $0.2 \dots\dots\dots 0.9$

3. $4.5 \dots\dots\dots 0.4$

4. $0.3 \dots\dots\dots 0.3$

5. 0.6 0.4

6. 6.2 8.2

LESSON 2

Change decimal to common fractions

Example: (i) change 0.5 to fraction

$$\begin{aligned}0.5 &= \frac{5}{10} \text{ (proper fraction)} \\ &= \frac{5 \div 5}{10 \div 5} \text{ (reduce to the lowest term)} \\ &= \frac{1}{2}\end{aligned}$$

(ii) Change 4.08 to a fraction

$$\begin{aligned}4.08 &= 4\frac{8}{100} \text{ (mixed fraction)} \\ &= 4 + \left(\frac{8 \div 4}{100 \div 4}\right) \text{ (4 is the common factor)} \\ &= 4 + \frac{2}{25} \\ &= 4\frac{2}{25}\end{aligned}$$

Exercise

Change the following fractions to decimals

1. 0.7
2. 0.02
3. 0.48
4. 2.05
5. 0.75

LESSON 3

Addition of decimal fractions

Examples

1. $0.45 + 13.2$

$$0.44$$

$$+ \underline{13.20}$$

$$\underline{13.65}$$

2. $2.2.7 + 8.92 + 0.37$

$$2.70$$

$$8.92$$

$$+ \underline{0.37}$$

$$\underline{11.99}$$

ACTIVITY:

Add the following decimals

1. $0.2 + 0.04$

2. $14.9 + 8.02$

3. $4.96 + 1.7 + 0.36$

4. $0.58 + 5.8 + 58$

5. $0.22 + 2.22 + 22.22$

6. $2.7 + 8.92 + 0.37$

LESSON 4

Subtraction of decimals

Examples

1. Subtract $97.4 - 13.69$

97.40

- 13.69

83.71

2. Subtract 19.78 from 63

63.10

- 19.78

43.22

ACTIVITY

Subtract the following

1. $73 - 19.5$

5. $166 - 66.9$

2. $12 - 9.5$

6. $57.9 - 3.51$

3. $160 - 93.9$

4. Subtract 7.82 from 13

LESSON 5

Addition and subtraction of decimals

Example

1. $13.75 - 27 + 91.25$

Use Bodmas (First add)

$$\begin{array}{r} 13.75 \\ + 91.25 \\ \hline 105.00 \quad \text{(Then subtract)} \\ - 27.00 \\ \hline 78.00 \end{array}$$

2. Work out $44.00 - 2.62 - 2.33$

$$\begin{array}{r} 44.00 \\ - 2.62 \\ \hline 41.38 \\ - 23.33 \\ \hline 39.05 \end{array}$$

ACTIVITY

Work out the following

1. $35.1 - 44.3 + 17.6$
2. $8.24 + 22.9 - 7.8$
3. $2.76 - 2.85 + 1.69$
4. $65.6 - 45.9 - 0.36$
5. $7.98 - 45.9 - 0.36$
6. $23.7 - 65.9 + 82$

