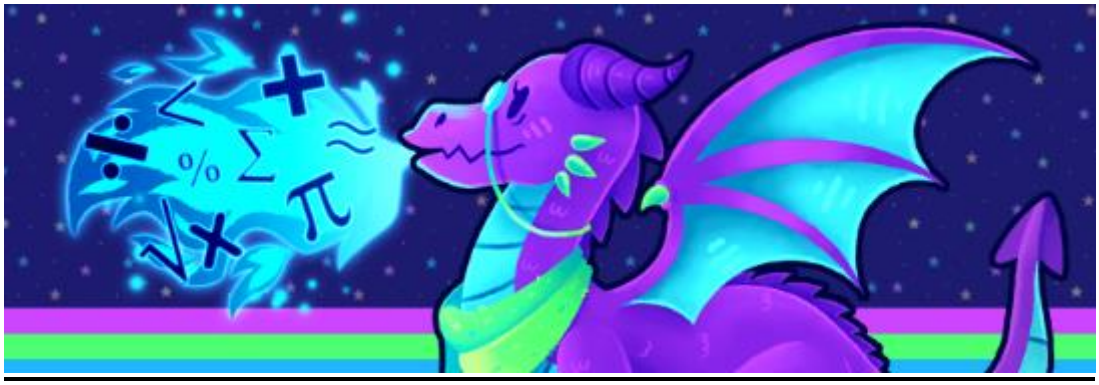

S1

CfE Level 3

Working at Home Workbook

Fractions

Learning Intention To be able to -
Produce an equivalent fraction
Convert between top-heavy and mixed fractions
Add or subtract basic mixed fractions
Add or subtract harder fractions

Produce an equivalent fraction

Question 1

B) Write any 3 equivalent fractions.

1) $\frac{7}{4}$ = _____

2) $\frac{1}{6}$ = _____

3) $\frac{2}{5}$ = _____

Question 2

1) $\frac{2}{5} = \frac{6}{\square}$

2) $\frac{1}{3} = \frac{\square}{6}$

3) $\frac{7}{4} = \frac{\square}{20}$

4) $\frac{5}{8} = \frac{30}{\square}$

Question 3

Write these fractions in their simplest form

1) $\frac{6}{18}$

2) $\frac{8}{12}$

3) $\frac{18}{24}$

11) $\frac{40}{48}$

12) $\frac{4}{28}$

13) $\frac{18}{63}$

21) $\frac{63}{72}$

22) $\frac{6}{54}$

23) $\frac{8}{72}$

Convert between top-heavy and mixed fractions

Question 1

Change the following into improper fractions:

1) $3^{2}/_{3}$

2) $6^{4}/_{5}$

3) $15^{2}/_{7}$

4) $12^{5}/_{6}$

5) $6^{1}/_{4}$

6) $2^{7}/_{9}$

7) $6^{8}/_{12}$

8) $4^{6}/_{10}$

9) $5^{12}/_{20}$

10) $4^{1}/_{100}$

Question 2

Change the following into mixed numbers:

11) $^{12}/_{6}$ =

12) $^{13}/_{6}$ =

13) $^{27}/_{5}$ =

14) $^{28}/_{5}$ =

15) $^{23}/_{10}$ =

16) $^{37}/_{10}$ =

17) $^{49}/_{8}$ =

18) $^{56}/_{8}$ =

19) $^{45}/_{2}$ =

20) $^{23}/_{3}$ =

Add or subtract basic mixed fractions

Question 1

1) $\frac{1}{12} + \frac{8}{12} =$

2) $\frac{2}{12} + \frac{3}{12} =$

3) $\frac{4}{11} + \frac{4}{11} =$

4) $\frac{2}{11} + \frac{7}{11} =$

5) $\frac{2}{11} - \frac{1}{11} =$

6) $\frac{6}{10} - \frac{4}{10} =$

7) $\frac{3}{5} - \frac{1}{5} =$

8) $\frac{6}{12} - \frac{1}{12} =$

Question 2

1) $\frac{1}{4} + \frac{1}{3} =$

2) $\frac{1}{3} + \frac{1}{2} =$

3) $\frac{2}{4} + \frac{1}{2} =$

4) $\frac{2}{5} + \frac{1}{3} =$

5) $\frac{3}{10} + \frac{1}{4} =$

6) $\frac{1}{4} + \frac{1}{3} =$

7) $\frac{1}{10} + \frac{2}{4} =$

8) $\frac{1}{4} + \frac{6}{10} =$

Add or subtract harder fractions

Question 1

1) $2 - \frac{4}{5} =$

2) $2 - \frac{3}{4} =$

3) $9 - \frac{1}{4} =$

4) $7 - \frac{8}{10} =$

5) $4 - \frac{2}{10} =$

6) $4 - \frac{1}{3} =$

7) $3 - \frac{1}{5} =$

8) $3 - \frac{1}{2} =$

Question 2

1) $5\frac{5}{5} + 5\frac{2}{5} =$

2) $4\frac{4}{11} + 7\frac{8}{11} =$

3) $3\frac{8}{11} + 5\frac{2}{11} =$

4) $3\frac{3}{3} + 4\frac{2}{3} =$

1) $8\frac{6}{8} - 2\frac{5}{8} =$

2) $7\frac{2}{5} - 1\frac{2}{5} =$

3) $8\frac{9}{10} - 2\frac{2}{10} =$

4) $7\frac{1}{2} - 2\frac{1}{2} =$

Question 3

1) $2\frac{2}{3} + 7\frac{3}{4} =$

2) $3\frac{2}{5} + 9\frac{1}{2} =$

3) $2\frac{2}{10} + 6\frac{3}{4} =$

4) $7\frac{4}{10} - 3\frac{1}{3} =$

5) $8\frac{1}{2} - 2\frac{2}{5} =$

6) $7\frac{2}{4} - 3\frac{1}{10} =$