

GRAYS TUITION CENTRE – Online Tutoring

WEEK: 4

Week Beginning: (11/01/2021)

Subject: MATHS

Year: 4

Lesson Objective:

- Understand equivalent fractions and develop method to work out which fractions are equivalent to each other
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Class Worksheets

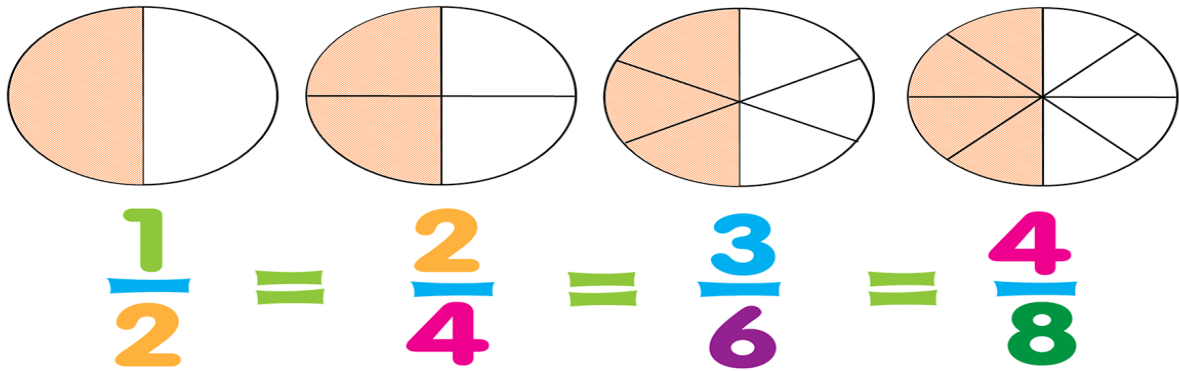
- I will use whiteboard to display own examples – to develop students understanding of addition and subtraction of fractions
- ‘Mastering equivalent fractions’ Worksheet

Homework

- Complete Last 2 equivalent fractions Worksheets

Additional Notes

- Week 3 homework will be marked in lesson
- All lesson worksheets and **homework for next week (due Week 6)** worksheets can be found below
- Additional worksheets/examples will be displayed using the whiteboard



Name _____

Date _____



EQUIVALENT FRACTIONS WITH CIRCLES SHEET 1

If two fractions are equivalent it means that they are equal, or represent the same amount.

Shade the correct amount of each circle to show the two fractions are equivalent. The first one has been done for you.

1) $\frac{1}{2} = \frac{2}{4}$	6) $\frac{6}{9} = \frac{2}{3}$
2) $\frac{1}{3} = \frac{3}{9}$	7) $\frac{2}{10} = \frac{1}{5}$
3) $\frac{2}{4} = \frac{\quad}{8}$	8) $\frac{1}{4} = \frac{3}{12}$
4) $\frac{1}{2} = \frac{5}{10}$	9) $\frac{2}{3} = \frac{8}{12}$
5) $\frac{1}{6} = \frac{2}{12}$	10) $\frac{3}{5} = \frac{6}{10}$

Question 1: Find the missing numbers

(a) $\frac{2}{3} = \frac{\quad}{6}$ (b) $\frac{1}{5} = \frac{\quad}{20}$ (c) $\frac{3}{4} = \frac{\quad}{12}$ (d) $\frac{5}{7} = \frac{10}{\quad}$

(e) $\frac{\quad}{5} = \frac{15}{25}$ (f) $\frac{4}{\quad} = \frac{12}{21}$ (g) $\frac{3}{10} = \frac{\quad}{50}$ (h) $\frac{7}{8} = \frac{14}{\quad}$

(i) $\frac{3}{4} = \frac{30}{\quad}$ (j) $\frac{\quad}{8} = \frac{55}{88}$ (k) $\frac{2}{9} = \frac{10}{\quad}$ (l) $\frac{2}{3} = \frac{\quad}{18}$

(m) $\frac{1}{20} = \frac{5}{\quad}$ (n) $\frac{5}{6} = \frac{\quad}{18}$ (o) $\frac{3}{8} = \frac{9}{\quad}$ (p) $\frac{7}{12} = \frac{\quad}{36}$

Question 2: Find the missing numbers

Use the following digits to write two equivalent fractions. Explain in sentences why you think you are correct.

1) 7 3 21 9

$$\frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

2) 5 28 20 7

$$\frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

3) 4 3 9 12

$$\frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

4) 6 16 40 15

$$\frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

5) 33 9 15 55

$$\frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

6) 33 9 15 55

$$\frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

7) Look at the digits below. Organise them into 7 different equivalent fractions.

30 15 42 35 28 10 20 7 35 49 14 25 21 5

8) Come up with 10 equivalent fractions. Jumble up the numbers and see if your learning partner can work out which are equivalent.

Homework Questions:

Name : _____

Score : _____



Missing Numbers

ES1

Fill in the missing numbers.

1) $\frac{3}{4} = \frac{\square}{8}$

2) $\frac{5}{\square} = \frac{20}{12}$

3) $\frac{11}{2} = \frac{33}{\square}$

4) $\frac{35}{25} = \frac{\square}{5}$

5) $\frac{\square}{14} = \frac{16}{28}$

6) $\frac{6}{\square} = \frac{24}{36}$

7) $\frac{\square}{15} = \frac{8}{3}$

8) $\frac{10}{3} = \frac{\square}{9}$

9) $\frac{12}{16} = \frac{\square}{8}$

10) $\frac{4}{7} = \frac{16}{\square}$

11) $\frac{1}{\square} = \frac{5}{50}$

12) $\frac{\square}{27} = \frac{7}{9}$

13) $\frac{39}{12} = \frac{13}{\square}$

14) $\frac{9}{2} = \frac{\square}{10}$

15) $\frac{\square}{6} = \frac{12}{24}$

16) $\frac{4}{\square} = \frac{8}{18}$



EQUIVALENT FRACTIONS SHEET 5

Some of these fractions are improper fractions - can you spot them?

An improper fraction is where the numerator is greater than the denominator.

1) $\frac{3}{3} = \frac{\quad}{9}$ 2) $\frac{2}{8} = \frac{\quad}{32}$ 3) $\frac{4}{7} = \frac{\quad}{28}$ 4) $\frac{4}{9} = \frac{\quad}{45}$

5) $\frac{3}{4} = \frac{\quad}{36}$ 6) $\frac{1}{8} = \frac{\quad}{48}$ 7) $\frac{2}{9} = \frac{12}{\quad}$ 8) $\frac{3}{10} = \frac{21}{\quad}$

9) $\frac{4}{3} = \frac{\quad}{18}$ 10) $\frac{2}{6} = \frac{\quad}{60}$ 11) $\frac{6}{5} = \frac{18}{\quad}$ 12) $\frac{4}{7} = \frac{24}{\quad}$

13) $\frac{5}{12} = \frac{\quad}{60}$ 14) $\frac{7}{11} = \frac{28}{\quad}$ 15) $\frac{5}{4} = \frac{35}{\quad}$ 16) $\frac{11}{12} = \frac{\quad}{72}$

17) $\frac{4}{9} = \frac{\quad}{81}$ 18) $\frac{9}{10} = \frac{54}{\quad}$ 19) $\frac{4}{13} = \frac{\quad}{52}$ 20) $\frac{8}{3} = \frac{24}{\quad}$

21) $\frac{3}{10} = \frac{\quad}{60}$ 22) $\frac{5}{2} = \frac{\quad}{12}$ 23) $\frac{9}{12} = \frac{3}{\quad}$ 24) $\frac{5}{\quad} = \frac{30}{54}$