

Tuesday 28th April 2020

WALT: Add and subtract like fractions (with the same denominator).

Arithmetic

Watch the following videos if you have forgotten how to calculate square and cubed numbers.

<https://www.youtube.com/watch?v=PDyvvPdi1tI>

https://www.youtube.com/watch?v=BluJv-WDR_w

A). $4^2 =$

B). $6^2 =$

C). $8^2 =$

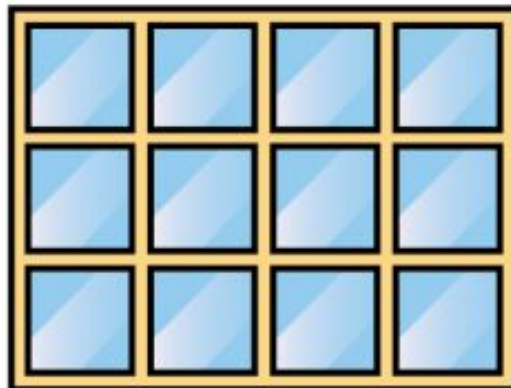
D). $5^3 =$

E). $7^3 =$

F). $12^3 =$

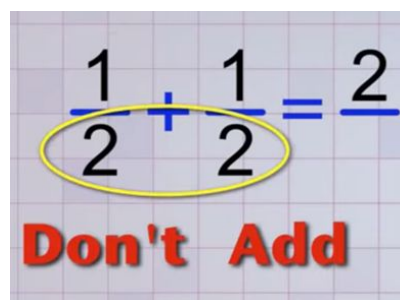
Reasoning

How many equivalent fractions can you see in this picture?



Activity

Watch the video: <https://www.youtube.com/watch?v=5juto2ze8Lg>



Activity 1

Add together the following like fractions. Remember the method from the video, shown above.

$$\text{a) } \frac{1}{3} + \frac{1}{3} =$$

$$\text{b) } \frac{1}{4} + \frac{2}{4} =$$

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

$$\text{d) } \frac{3}{6} + \frac{1}{6} =$$

$$\text{e) } \frac{2}{7} + \frac{5}{7} =$$

$$\text{f) } \frac{2}{8} + \frac{2}{8} =$$

Activity 2

Subtract these like fractions, remembering the rule shown in the video:

$$\text{g) } \frac{2}{4} - \frac{1}{4} =$$

$$\text{h) } \frac{3}{5} - \frac{1}{5} =$$

$$\text{i) } \frac{2}{6} - \frac{1}{6} =$$

$$\text{j) } \frac{6}{9} - \frac{2}{9} =$$

$$\text{k) } \frac{7}{10} - \frac{5}{10} =$$

$$\text{l) } \frac{8}{12} - \frac{2}{12} =$$

Answers

A). $4^2 = 16$

B). $6^2 = 36$

C). $8^2 = 64$

D). $5^3 = 125$

E). $7^3 = 343$

F). $12^3 = 1728$

Children can give
a variety of
possibilities.
Examples:

$$\frac{1}{2} = \frac{6}{12} = \frac{3}{6}$$

$$\frac{1}{4} = \frac{3}{12}$$

a) $\frac{2}{3}$

b) $\frac{3}{4}$

c) $\frac{3}{5}$

d) $\frac{4}{6}$

e) $\frac{7}{7}$ or 1

f) $\frac{4}{8}$ or $\frac{1}{2}$

g) $\frac{1}{4}$

h) $\frac{2}{5}$

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

j) $\frac{4}{9}$

k) $\frac{2}{10}$

l) $\frac{6}{12}$ or $\frac{1}{2}$