

Tuesday 21st April 2020

To start off today's lesson we are going to recap calculations using all operations

Arithmetic –

- 1) $17625 + 87289$
- 2) $813720 - 124627$
- 3) 14×25
- 4) $504 \div 8 =$



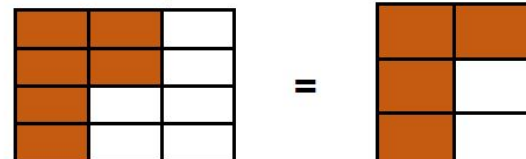

Use & Apply

- 1) $80726 - \underline{\hspace{2cm}} = 15728$
- 2) $15 \times 10 = 100 + \underline{\hspace{2cm}}$
- 3) $240 \div 10 = \underline{\hspace{2cm}} \times 6$
- 4) Nimco got £268 for her birthday. Johan received £165. What is the difference between the 2 amounts?

This week we will continue to work on 'fabulous fractions.'

Read the question and explain the answer in your books.

WALT - solve problems involving equivalent fractions

| | |
|---|--|
| <p>1a. Cole has coloured two grids to create an equivalent fraction.</p>  <p> The parts do not need to be together to create a fraction.</p> <p>Is Cole correct? Explain your answer.</p> | <p>1b. Jennie has coloured two grids to create an equivalent fraction.</p>  <p> They are shaded in the same shape so they are equal.</p> <p>Is Jennie correct? Explain your answer.</p> |
|---|--|

2a. Sylvia has written some equivalent fractions.

$$A \frac{1}{4} = \frac{4}{16}$$

$$B \frac{1}{2} = \frac{1}{12}$$

$$C \frac{8}{24} = \frac{1}{4}$$

$$D \frac{6}{24} = \frac{1}{4}$$

Find and correct any mistakes.

2b. Mark has written some equivalent fractions.

$$A \frac{1}{5} = \frac{5}{35}$$

$$B \frac{7}{14} = \frac{1}{4}$$

$$C \frac{1}{3} = \frac{12}{36}$$

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

Find and correct any mistakes.

3a. Give 2 possible values for A and B.

$$\frac{1}{A} = \frac{B}{16}$$

3b. Give 2 possible values for A and B.

$$\frac{1}{A} = \frac{B}{20}$$

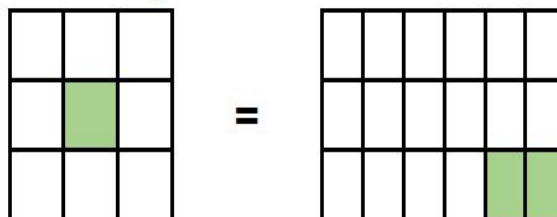
4a. Amelia has coloured two grids to create an equivalent fraction.



Two parts are shaded in each grid so they show equivalent fractions.

Is Amelia correct? Explain your answer.

4b. Conrad has coloured two grids to create an equivalent fraction.



The shaded parts are equal.

Is Conrad correct? Explain your answer.

Answers

1a. Cole is correct. He has shown $\frac{1}{2} = \frac{4}{8}$.

The parts do not need to be together.

2a. B $\frac{1}{2} = \frac{6}{12}$; C $\frac{8}{24} = \frac{1}{3}$

3a. Various answers, for example:

| | | | |
|----------|---|---|---|
| If A = | 2 | 4 | 8 |
| then B = | 8 | 4 | 2 |

1b. Jennie is incorrect. The shading shows

$\frac{6}{12} = \frac{4}{6}$ but these are not equivalent. $\frac{6}{12} = \frac{1}{2}$

2b. A $\frac{1}{5} = \frac{7}{35}$; B $\frac{7}{14} = \frac{1}{2}$

3b. Various answers, for example:

| | | | |
|----------|----|---|---|
| If A = | 2 | 4 | 5 |
| then B = | 10 | 5 | 4 |

4a. Amelia is incorrect. Her fractions are not equal in size, but have the same numerator.

4b. Conrad is correct. $\frac{1}{9} = \frac{2}{18}$