## Work out the calculations.

a) $\frac{2}{5}+\frac{3}{4}=\square$
b) $2 \frac{1}{4}-\frac{2}{3}=$ $\square$
c) $3 \frac{7}{10}-2 \frac{1}{4}=\square$

Work out the missing fractions.


Complete the calculations.
a) $\frac{2}{5}+\frac{1}{5}+\square=1$
b) $\frac{2}{5}+\frac{1}{5}+\square=1 \frac{1}{2}$
c) $\frac{2}{5}+\frac{1}{5}+\square=\frac{4}{3}$
d) $\frac{4}{5}=\square-\frac{4}{5}$

Complete the addition grid.


Tom wrote down two fractions. He subtracted the smaller fraction from the larger and got $\frac{1}{5}$ as the answer.
Write down two fractions that Tom could have subtracted.

Eva and Amir are working out this calculation.

$$
\frac{1}{4}+\frac{25}{100}-\frac{2}{8}-\frac{9}{36}
$$



Find Amir's solution. Explain how this calculation can be solved.

Shade the diagrams to show the fraction multiplications. Complete the multiplications.
a) $\frac{1}{2} \times \frac{1}{4}=\square$
a) $\frac{1}{2} \times \frac{1}{4}=\square \quad \frac{2}{2} \frac{1}{2} \frac{1}{2}$

Use the diagrams to help complete the calculations.
a)

c)


b)

d)



Complete the divisions using the diagrams to help you.
a) $\frac{1}{3} \div 2=\square$


Is Mo correct? $\qquad$

## Explain your answer.

b) $\frac{1}{3} \div 3=\square$

c) $\frac{2}{3} \div 3=\square$


Fill in the missing numbers.
a) $\frac{1}{10}=\frac{1}{2} \times \frac{1}{\square}$
b) $\frac{1}{5} \times \frac{\square}{3}=\frac{2}{15}$
a) $\frac{1}{10}=\frac{\square}{4} \times \frac{\square}{5}$
b) $\frac{1}{4}=\frac{\square}{4} \times \frac{\square}{5}$

There are some cones in the PE shed.
Classes 1, 2 and 3 share them equally.

- Class 1 put theirs into 4 equal piles.
- Class 2 put theirs into 5 equal piles.

- Class 3 put theirs into 11 equal piles.

What fraction of the whole number of cones is in each pile?

|  | Fraction in each pile |
| :--- | :--- |
| Class 1 |  |
| Class 2 |  |
| Class 3 |  |

### 7.1.2021 - Four operations/rules

Work out the missing total.

| $\frac{2}{3}$ | $\frac{2}{3}$ | $\frac{2}{3}$ | $\frac{2}{3}$ | $2 \frac{1}{3}$ |
| :---: | :---: | :---: | :---: | :---: |

## Work out the perimeter of the rectangle.


(Remember perimeter = distance around the outside the 2D shape. The sum of all the lengths)

Jack mixes $\frac{2}{3}$ of a litre of orange juice and $\frac{3}{4}$ of a litre of apple juice.
He pours the juice into 5 glasses equally.
How much juice is in each glass?

CHALLENGE 2:


Explore the different totals you can make using each card once only.

