

Maths

Mixed fraction addition and subtraction problems

Miss Parnham



Mixed fraction addition and subtraction problems

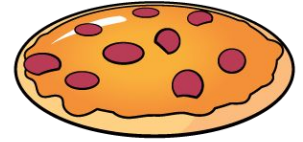
1. Work out the missing **unit** fractions using the totals in these grids.

$\frac{1}{-}$	$\frac{1}{-}$	$\frac{17}{72}$
$\frac{1}{-}$	$\frac{1}{-}$	$\frac{8}{15}$
$\frac{11}{24}$	$\frac{14}{45}$	

		$\frac{11}{30}$
		$\frac{3}{4}$
$\frac{2}{3}$	$\frac{9}{20}$	

2. Three friends share a pizza.

- Annie eats $\frac{2}{5}$
- Mo eats $\frac{1}{3}$
- Ron eats the rest.



What fraction did Ron eat?

3. Find the next term in each sequence.

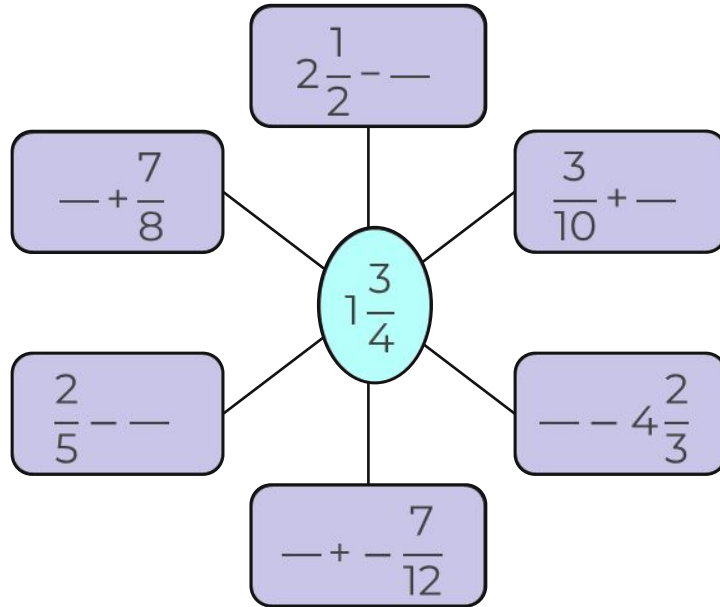
a) $-\frac{1}{5}, -\frac{1}{10}, \frac{1}{10}, \frac{1}{5}, \dots$

b) $\frac{2}{3}, \frac{5}{12}, \frac{1}{6}, -\frac{1}{12}, \dots$



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4. All the calculations have the same solution. Find the missing values.



5. Amir records how far he walks each day. The mode is $2\frac{1}{2}$ km.

a) Complete the table.

Day	M	T	W	Th	F
Distance (km)	$5\frac{4}{5}$	$5\frac{1}{4}$	$3\frac{2}{3}$	$2\frac{1}{2}$	

b) What is the range?

c) What is the minimum distance he must walk at the weekend if his target is 25 km a week?



Answers



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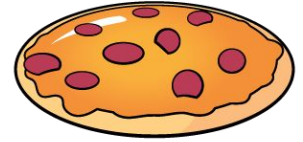
1. Work out the missing unit fractions using the totals in these grids.

$\frac{1}{8}$	$\frac{1}{9}$	$\frac{17}{72}$
$\frac{1}{3}$	$\frac{1}{5}$	$\frac{8}{15}$
$\frac{11}{24}$	$\frac{14}{45}$	

$\frac{1}{6}$	$\frac{1}{5}$	$\frac{11}{30}$
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$
$\frac{2}{3}$	$\frac{9}{20}$	

2. Three friends share a pizza.

- Annie eats $\frac{2}{5}$
- Mo eats $\frac{1}{3}$
- Ron eats the rest.



What fraction did Ron eat? $\frac{4}{15}$

3. Find the next term in each sequence.

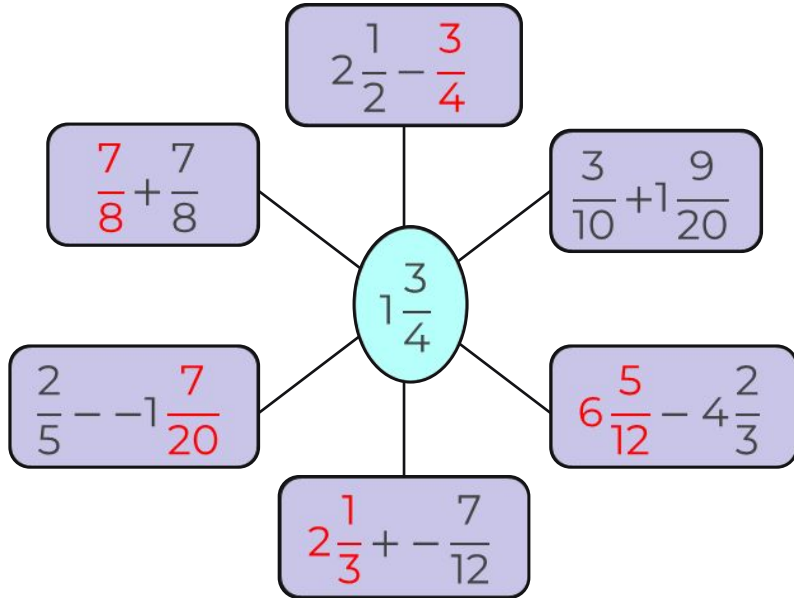
a) $-\frac{1}{5}, -\frac{1}{10}, \frac{1}{10}, \frac{1}{5}, \dots$ $\frac{3}{10}$

b) $\frac{2}{3}, \frac{5}{12}, \frac{1}{6}, -\frac{1}{12}, \dots$ $-\frac{1}{3}$



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4. All the calculations have the same solution. Find the missing values.



5. Amir records how far he walks each day. The mode is $2\frac{1}{2}$ km.

a) Complete the table.

Day	M	T	W	Th	F
Distance (km)	$5\frac{4}{5}$	$5\frac{1}{4}$	$3\frac{2}{3}$	$2\frac{1}{2}$	$2\frac{1}{2}$

b) What is the range? $3\frac{3}{10}$

c) What is the minimum distance he must walk at the weekend if his target is 25 km a week? $5\frac{17}{60}$

