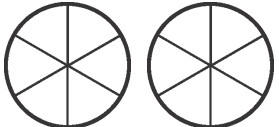Add then simplify. Use two different colours for the shapes.

1)
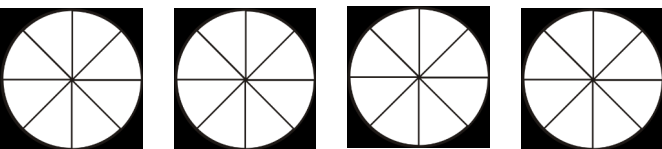

$1\frac{5}{6}$ + $2\frac{3}{6}$ =

=

2)

$2\frac{5}{8}$ + $2\frac{7}{8}$ =

3)

$1\frac{2}{3}$ + $2\frac{2}{3}$ =

Subtract then simplify. Cross out the shapes that are taken away.

4)

$3\frac{2}{8}$ – $1\frac{7}{8}$ =

5)

$3\frac{1}{4}$ – $2\frac{3}{4}$ =

6)

$2\frac{1}{6}$ – $1\frac{5}{6}$ =

Add then simplify these related mixed numbers. You will need to convert one fraction first. Use two different colours for the shapes.

1)

$1\frac{5}{6}$ + $2\frac{2}{3}$ =

2)

$1\frac{3}{8}$ + $5\frac{3}{4}$ =

3)

$4\frac{2}{3}$ + $3\frac{5}{9}$ =

Add then simplify these unrelated mixed numbers. You will need to convert both fractions. Use two different colours for the shapes.

4)

$2\frac{2}{3}$ + $2\frac{2}{5}$ =

5)
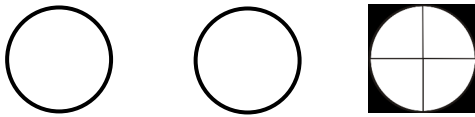
$3\frac{2}{3}$ + $5\frac{1}{7}$ =

6)

$4\frac{1}{2}$ + $4\frac{4}{5}$ =

Subtract then simplify these related mixed numbers. You will need to convert one fraction first. Cross out the fractions as they are taken away.

1)

$2\frac{1}{4}$ – $1\frac{7}{8}$ =

2)

$8\frac{1}{3}$ – $5\frac{5}{6}$ =

3)

$6\frac{3}{5}$ – $2\frac{7}{10}$ =

Add then simplify these unrelated mixed numbers. Use two different colours for the shapes.

4)

$3\frac{1}{2}$ – $1\frac{2}{3}$ =

5)

$9\frac{1}{4}$ – $3\frac{3}{4}$ =

6)
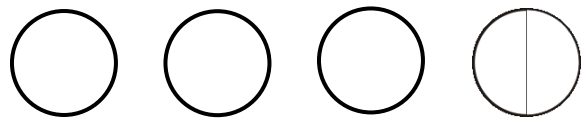
$12\frac{4}{5}$ – $7\frac{1}{2}$ =

Curtaining required for windows:
1½ m
3 3/4 m
What is the total length of curtain fabric needed?

A builder had several buckets of plaster mix:
2 full buckets, 1/3 bucket, ½ bucket, 1 ¾ bucket
What is the total amount of mix he has?
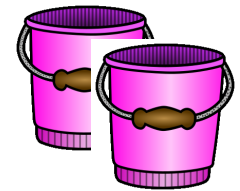
A tiler was tiling a workshop floor with an area of 8 ½ m². After working for an hour he had tiled 4 ¾ m². What area is left to tile?

There are 2 full pizzas and 5/8 of another pizza on the table.
Ten minutes later, there is 1 whole pizza and 3/4 of a pizza remaining.
What portion of the pizzas was eaten in that 10 minutes?

ANSWERS

Add then simplify. Use two different colours for the shapes.

1)

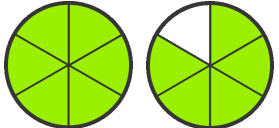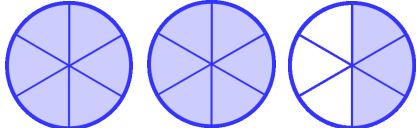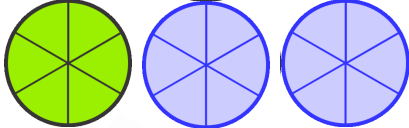$1\frac{5}{6}$ + $2\frac{3}{6}$ =

= $4\frac{2}{6}$
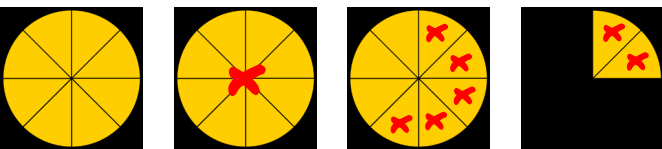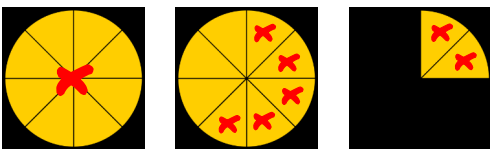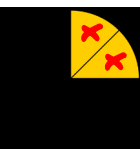
= $4\frac{1}{3}$

2)

$2\frac{5}{8}$ + $2\frac{7}{8}$ = $5\frac{4}{8}$

= $5\frac{1}{2}$

3)

$1\frac{2}{3}$ + $2\frac{2}{3}$ = $4\frac{1}{3}$

Subtract then simplify. Cross out the shapes that are taken away.

4)

$3\frac{2}{8}$ – $1\frac{7}{8}$ = $1\frac{3}{8}$

5)

$3\frac{1}{4}$ – $2\frac{3}{4}$ = $\frac{2}{4}$

= $\frac{1}{2}$

6)

$2\frac{1}{6}$ – $1\frac{5}{6}$ = $\frac{2}{6}$

= $\frac{1}{3}$

ANSWERS

Add then simplify these related mixed numbers. You will need to convert one fraction first. Use two different colours for the shapes.

1)

$1\frac{5}{6}$ + $2\frac{2}{3}$ = $\boxed{4\frac{3}{6}}$

= $\boxed{4\frac{1}{2}}$

2)

$1\frac{3}{8}$ + $5\frac{3}{4}$ = $\boxed{7\frac{1}{8}}$

3)

$4\frac{2}{3}$ + $3\frac{5}{9}$ = $\boxed{8\frac{2}{9}}$

Add then simplify these unrelated mixed numbers. You will need to convert both fractions. Use two different colours for the shapes.

4)

$2\frac{2}{3}$ + $2\frac{2}{5}$ = $\boxed{5\frac{1}{15}}$

5)

$3\frac{2}{3}$ + $5\frac{1}{7}$ = $\boxed{8\frac{17}{21}}$

6)

$4\frac{1}{2}$ + $4\frac{4}{5}$ = $\boxed{9\frac{3}{10}}$

ANSWERS

Subtract then simplify these related mixed numbers. You will need to convert one fraction first. Cross out the fractions as they are taken away.

1)

$$2\frac{1}{4} \quad - \quad 1\frac{7}{8} \quad = \quad \boxed{\frac{3}{8}}$$

2)

$$8\frac{1}{3} \quad - \quad 5\frac{5}{6} \quad = \quad \boxed{2\frac{3}{6}}$$
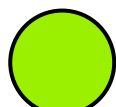
$$= \quad \boxed{2\frac{1}{2}}$$

3)

$$6\frac{3}{5} \quad - \quad 2\frac{7}{10} \quad = \quad \boxed{3\frac{9}{10}}$$

Add then simplify these unrelated mixed numbers. Use two different colours for the shapes.

4)

$$3\frac{1}{2} \quad - \quad 1\frac{2}{3} \quad = \quad \boxed{1\frac{5}{6}}$$

5)

$$9\frac{1}{4} \quad - \quad 3\frac{3}{4} \quad = \quad \boxed{5\frac{2}{4}}$$

$$= \quad \boxed{5\frac{1}{2}}$$

6)

$$12\frac{4}{5} \quad - \quad 7\frac{1}{2} \quad = \quad \boxed{5\frac{3}{10}}$$

ANSWERS

Curtaining required for windows:
1½ m
3 3/4 m
What is the total length of curtain fabric needed?

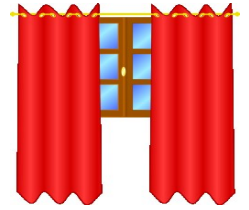$$1\frac{1}{2} \quad + \quad 3\frac{3}{4} \quad = \quad 5\frac{1}{4} \quad \text{meters of fabric}$$

A builder had several buckets of plaster mix:
2 full buckets, 1/3 bucket, ½ bucket, 1 ¾ bucket
What is the total amount of mix he has?

$$2 \quad + \quad \frac{1}{3} \quad + \quad \frac{1}{2} \quad + \quad 1\frac{3}{4} \quad = \quad 4\frac{7}{12} \quad \text{buckets of mix}$$

A tiler was tiling a workshop floor with an area of 8 ½ m². After working for an hour he had tiled 4 ¾ m². What area is left to tile?

$$8\frac{1}{2} \quad - \quad 4\frac{3}{4} \quad = \quad 3\frac{3}{4} \quad \text{square meters to tile}$$

There are 2 full pizzas and 5/8 of another pizza on the table.
Ten minutes later, there is 1 whole pizza and 3/4 of a pizza remaining.
What portion of the pizzas was eaten in that 10 minutes?

$$2\frac{5}{8} \quad - \quad 1\frac{3}{4} \quad = \quad \frac{7}{8} \quad \text{of a pizza}$$