Subtract fractions

1 Complete the subtractions.

Use the bar models to help you.

a)

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

b)

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

c)

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

d)

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

2 Match the equivalent calculations.

$$\frac{3}{4} - \frac{3}{20}$$

$$\frac{10}{20} - \frac{3}{20}$$

$$\frac{4}{5} - \frac{3}{20}$$

$$\frac{16}{20} - \frac{3}{20}$$

$$\frac{7}{10} - \frac{3}{20}$$

$$\frac{15}{20} - \frac{3}{20}$$

$$\frac{1}{2} - \frac{3}{20}$$

$$\frac{14}{20} - \frac{3}{20}$$

3 Jack walks $\frac{7}{9}$ km to school.

Aisha walks $\frac{2}{3}$ km to school.

How much further does Jack walk than Aisha?

$$\boxed{} \text{ km}$$

4 Complete the subtractions.

a) $\dfrac{7}{8} - \dfrac{1}{16} = \boxed{}$

$\dfrac{5}{8} - \dfrac{1}{16} = \boxed{}$

$\dfrac{3}{8} - \dfrac{1}{16} = \boxed{}$

$\dfrac{1}{8} - \dfrac{1}{16} = \boxed{}$

b) $\dfrac{6}{7} - \dfrac{2}{21} = \boxed{}$

$\dfrac{5}{7} - \dfrac{4}{21} = \boxed{}$

$\dfrac{4}{7} - \dfrac{6}{21} = \boxed{}$

$\dfrac{3}{7} - \dfrac{8}{21} = \boxed{}$

What do you notice?

5 On Saturday, Alex cycles for $\dfrac{2}{3}$ of an hour.

On Sunday, she cycles for $\dfrac{5}{12}$ of an hour.
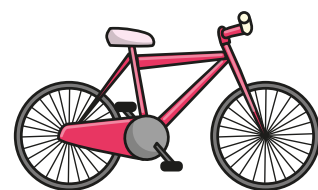
a) How many more hours does Alex cycle on Saturday than Sunday?

$\boxed{}$ of an hour

b) How many more minutes does Alex cycle on Saturday than Sunday?

$\boxed{}$ minutes

6 Here are some fraction cards.

$\boxed{\dfrac{1}{3}}$ $\boxed{\dfrac{5}{6}}$ $\boxed{\dfrac{1}{2}}$ $\boxed{\dfrac{11}{12}}$ $\boxed{\dfrac{3}{4}}$

a) Which two fractions have a difference of $\dfrac{1}{4}$?

$\boxed{} - \boxed{} = \dfrac{1}{4}$

b) Which two fractions have a difference of $\dfrac{1}{2}$?

$\boxed{} - \boxed{} = \dfrac{1}{2}$

c) Which two fractions have a difference of $\dfrac{1}{12}$?

Give two possible answers.

$\boxed{} - \boxed{} = \dfrac{1}{12}$

$\boxed{} - \boxed{} = \dfrac{1}{12}$

7 The perimeter of the rectangle is $\dfrac{14}{15}$ m.

Work out the missing width.

$\boxed{}$ m

$\dfrac{1}{3}$ m

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