

- 1 Sachin spends \$768 on holiday.
He spends $\frac{3}{8}$ of this amount on presents.

Find how much he spends on presents.

\$ [1]

[Total: 1]

- 2 Abraham has a box of 72 biscuits.
He gives $\frac{2}{9}$ of the biscuits to his grandmother.
He then gives $\frac{3}{7}$ of the biscuits that are left to his cousin.

Work out how many biscuits Abraham has now.

..... [3]

[Total: 3]

- 3 Put a ring around the fraction that is equivalent to $\frac{7}{12}$.

$$\frac{35}{62}$$

$$\frac{20}{36}$$

$$\frac{49}{84}$$

$$\frac{82}{144}$$

$$\frac{64}{110}$$

[1]

[Total: 1]

- 4 (a) Write down a fraction equivalent to $\frac{1}{15}$.

..... [1]

- 4 (b) Find a fraction that is greater than $\frac{1}{15}$ but less than $\frac{2}{15}$.

..... [1]

[Total: 2]

- 5 Saskia has \$600.
She spends $\frac{1}{5}$ of the \$600 on a coat and gives $\frac{1}{3}$ of the \$600 to her son.

What fraction of the \$600 does she have left?
Give your answer in its simplest form.

..... [3]

[Total: 3]

- 6 Write $\frac{28}{140}$ as a fraction in its simplest form.

..... [1]

[Total: 1]

- 7 A café sells 330 sandwiches.

This is $\frac{11}{14}$ of the sandwiches they make.

Work out the number of sandwiches the café makes.

..... [2]

[Total: 2]

- 8 **Without using a calculator**, work out $\frac{1}{3} + \frac{5}{6}$.

You must show all your working and give your answer as a mixed number in its simplest form.

..... [2]

[Total: 2]

- 9 **Without using a calculator**, work out $\frac{3}{7} - \frac{2}{21}$.

You must show all your working and give your answer as a fraction in its simplest form.

..... [2]

[Total: 2]

- 10 Without using a calculator,** work out $4\frac{1}{6} - 1\frac{7}{8}$.

You must show all your working and give your answer as a mixed number in its simplest form.

..... [3]

[Total: 3]

- 11 Without using a calculator,** work out $4\frac{1}{8} - 2\frac{5}{6}$.

You must show all your working and give your answer as a mixed number in its simplest form.

..... [3]

[Total: 3]

- 12 Without using a calculator,** work out $2\frac{1}{3} \times \frac{11}{14}$.

You must show all your working and give your answer as a mixed number in its simplest form.

..... [3]

[Total: 3]

- 13** Mr Zhang, his wife and three children go on a holiday from Shanghai to Auckland.

The flight for an adult costs \$630.

The cost for a child is $\frac{5}{8}$ of the adult cost.

Show that the total cost of the flight for the family is \$2441, correct to the nearest dollar.

[3]

[Total: 3]

- 14** **Without using a calculator**, work out $1\frac{5}{6} + \frac{2}{5}$.

You must show all your working and give your answer as a mixed number in its simplest form.

..... [3]

[Total: 3]

- 15** Without using a calculator, work out $1\frac{3}{8} - \frac{5}{6}$.

You must show all your working and give your answer as a fraction in its simplest form.

..... [3]

[Total: 3]

- 16** Without using a calculator, work out $\frac{2}{9} \div \frac{5}{6}$.

You must show all your working and give your answer as a fraction in its simplest form.

..... [2]

[Total: 2]

- 17** Write \$24.60 as a fraction of \$2870.
Give your answer in its lowest terms.

..... [2]

[Total: 2]

- 18** In one month, a company sells 3000 headphones.

Of these, 48% are exported, $\frac{3}{8}$ are sold to shops and the rest are sold online.

Calculate the number of headphones that are sold online.

..... [3]

[Total: 3]

- 19** Write $0.\dot{2}\dot{7}$ as a fraction.

..... [1]

[Total: 1]

- 20** Write $0.\dot{0}\dot{4}$ as a fraction in its simplest form.

..... [1]

[Total: 1]

- 21** Write $0.\dot{3}\dot{7}$ as a fraction.

..... [1]

[Total: 1]

- 22** Write the recurring decimal $0.4\dot{7}$ as a fraction.
Show all your working.

..... [2]

[Total: 2]

- 23** Write the recurring decimal $0.\dot{2}\dot{3}$ as a fraction.

..... [1]

[Total: 1]