

These questions are relating to fractions using skills that you have learnt so far this term. Remember to use your CGP guide for further guidance and use BRUCE when working out your answers.

B

Box and underline

Box the key numbers and underline the question.

R

Represent

Represent the problem by drawing it out or annotating the picture.

U

Understand

Which operation will you use? Is there more than one step?

C

Calculation

Show your method. Do you need to use a formal method?

E

Evaluate

Reflect on your answer. Is your answer appropriate?



Q1.

Tick the fractions **less than** $\frac{5}{8}$

$\frac{1}{2}$

$\frac{2}{8}$

$\frac{3}{4}$

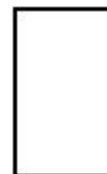
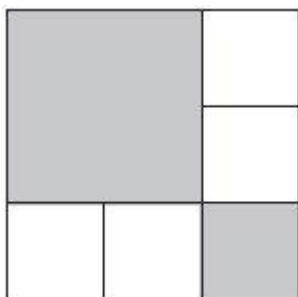
$\frac{7}{16}$

$\frac{24}{32}$

2 marks

Q2.

The diagram is made of squares.
What fraction of the diagram is shaded?



1 mark

Q3.

Here are four fraction cards.

$$\frac{3}{4}$$

$$\frac{5}{8}$$

$$\frac{6}{12}$$

$$\frac{7}{16}$$

Use any **three** of the cards to make this correct.

$$\square < \square < \square$$

1 mark

Q4.

Here are fractions.

Circle the improper fractions.

$$\frac{4}{2}$$

$$\frac{2}{5}$$

$$\frac{10}{3}$$

$$\frac{6}{4}$$

$$\frac{4}{10}$$

1 mark

Which fraction is equivalent to $1\frac{1}{2}$?

1 mark

Which two fractions are equivalent?

and

1 mark

Q5.



Holly says,

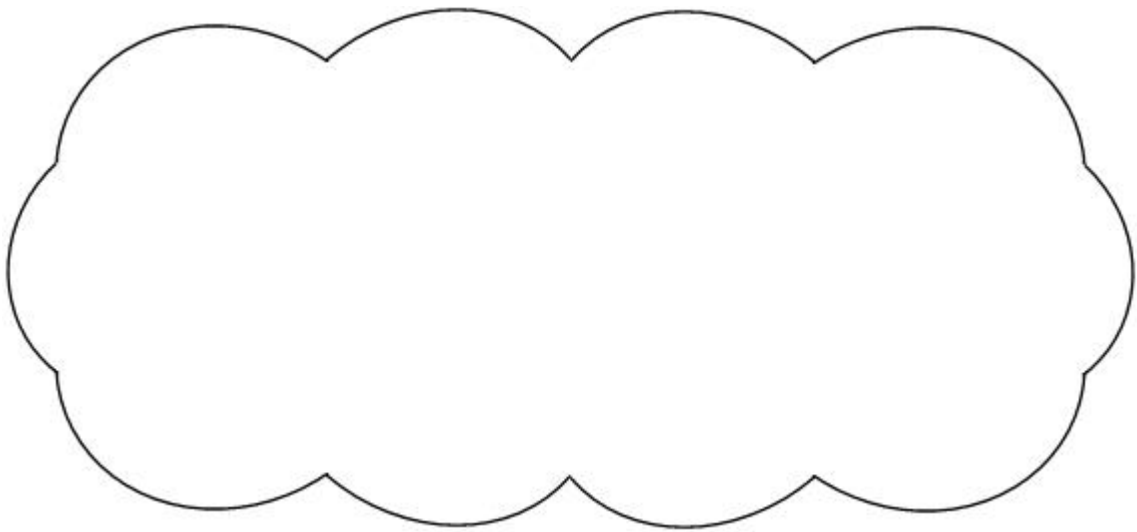
'One-third of this shape is shaded'.

Is Holly correct?

Circle **Yes** or **No**.

Yes / No

Explain how you know.



1 mark

Q6.

Sam and Ben share a pizza with their Dad.

Sam ate $\frac{1}{3}$ of the pizza.

Ben ate $\frac{1}{6}$ of the pizza.

Dad ate the rest.

What fraction of the pizza did Dad eat?



1 mark

Q7.

Circle the improper fraction that is equivalent to $6\frac{7}{8}$

$$\frac{67}{8}$$

$$\frac{48}{8}$$

$$\frac{62}{8}$$

$$\frac{55}{8}$$

$$\frac{76}{8}$$

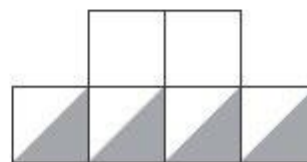
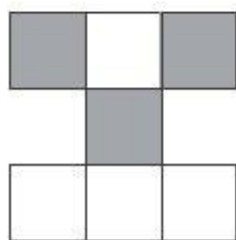
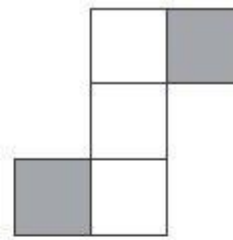
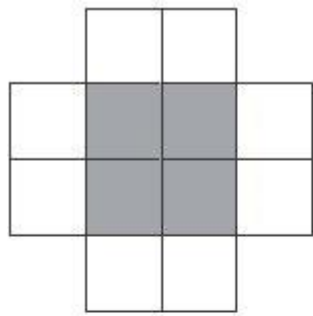
1 mark

Q8.

These diagrams are all made of squares.

Look at each diagram.

Put a tick (\checkmark) if exactly $\frac{1}{3}$ of it is shaded. Put a cross (\times) if it is not.



2 marks

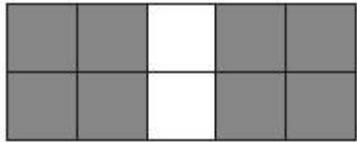
Q9.

Here are some shapes made of squares.

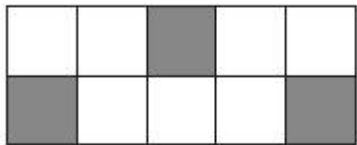
A fraction of each shape is shaded.

Match each shape to its equivalent fraction.

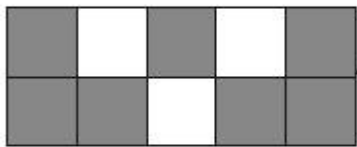
One has been done for you.



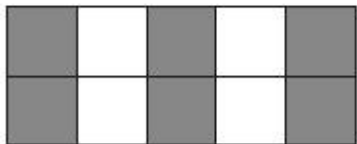
$$\frac{7}{10}$$



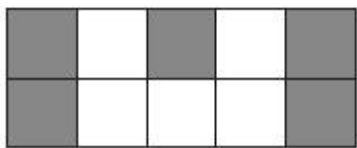
$$\frac{3}{5}$$



$$\frac{1}{2}$$



$$\frac{4}{5}$$



$$\frac{3}{10}$$

2 marks

Q10.

Write the two missing values to make these equivalent fractions correct.

$$\frac{\square}{3} = \frac{8}{12} = \frac{4}{\square}$$

2 marks

Q11.

Write the two missing values to make these equivalent fractions correct.

$$\frac{\square}{10} = \frac{17}{5} = 3 \frac{\square}{5}$$