

1.

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

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

2 marks

2.

Grace, Ellie and Alfie bought 5 pizzas to share.

Grace ate $1\frac{1}{2}$ pizzas.

Ellie ate $1\frac{2}{3}$ pizzas.

And Alfie ate the rest.

How many pizzas did Alfie eat?

1 mark

3.

Circle the biggest fraction.

$$\frac{13}{6} \quad \frac{11}{5} \quad \frac{7}{4} \quad \frac{5}{3}$$

1 mark

4.

In each box, circle the number that is **greater**.

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

$$1.2$$

$$1\frac{1}{4}$$

$$1.3$$

$$1\frac{5}{100}$$

$$1.4$$

$$1\frac{3}{5}$$

$$1.5$$

2 marks

5.

Write the missing numbers.

$$\frac{\square}{160} = 0.1$$

1 mark

$$\frac{160}{\square} = 0.2$$

1 mark

6.

Circle the **two** fractions that have the same value.

$$\frac{2}{10}$$

$$\frac{1}{3}$$

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

$$\frac{5}{10}$$

$$\frac{1}{4}$$

1 mark

7.

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

8.

Draw **one** line to join **two fractions** which have the **same value**.

	$\frac{4}{7}$	
$\frac{1}{2}$		$\frac{2}{8}$
$\frac{2}{5}$		$\frac{1}{3}$
	$\frac{1}{4}$	

1 mark

9.

Write the missing numbers.

One is done for you.

Improper fraction	Mixed number
$\frac{7}{4}$	$1\frac{3}{4}$
$\frac{\square}{2}$	$5\frac{1}{2}$
$\frac{17}{5}$	$3\frac{\square}{5}$

2 marks

10.

Write these numbers in order, starting with the smallest.

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

$$\frac{7}{6}$$

$$\frac{17}{12}$$

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

smallest

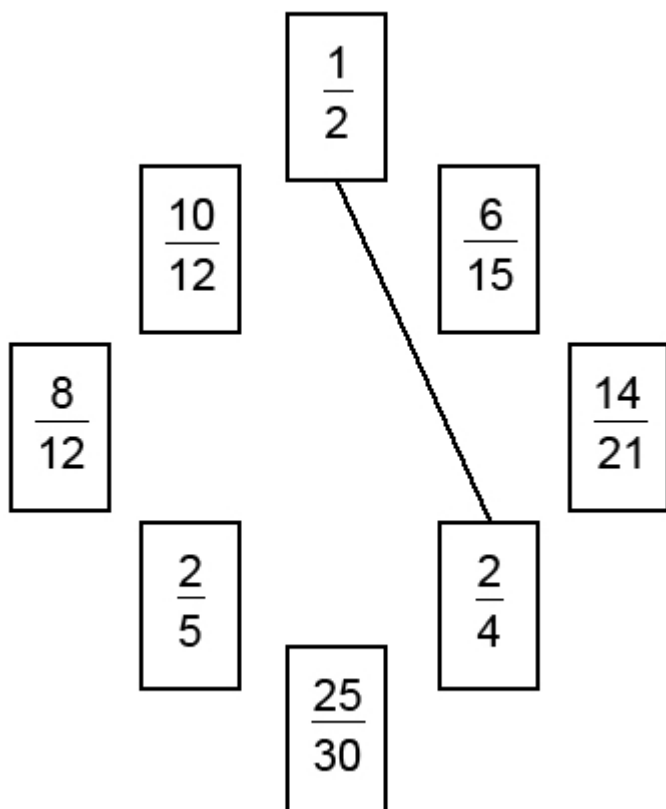
largest

1 mark

11.

Join pairs of equivalent fractions.

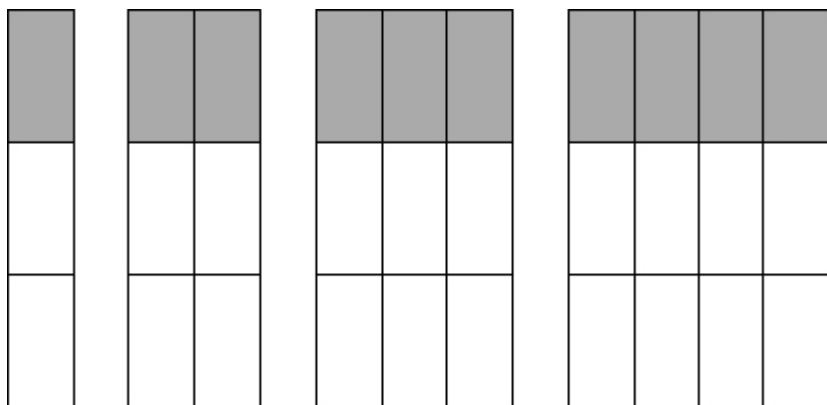
One is done for you.



2 marks

12.

Look at the diagrams.



Complete the fractions.

$$\frac{1}{3} = \frac{\boxed{}}{6} = \frac{3}{\boxed{}} = \frac{\boxed{}}{12}$$

1 mark

13.

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

14.

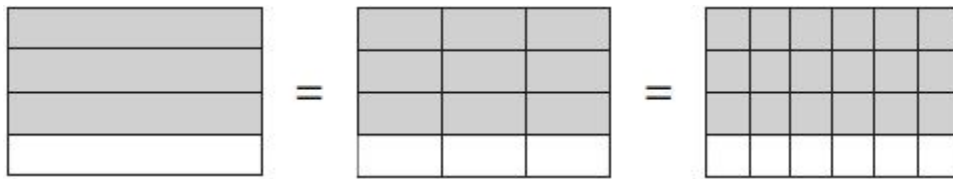
Write the two missing values to make these equivalent fractions correct.

$$\frac{\boxed{}}{30} = \frac{10}{12} = \frac{30}{\boxed{}}$$

2 marks

15.

These diagrams show three equivalent fractions.



Write the missing values.

$$\frac{3}{4} = \frac{9}{\boxed{}} = \frac{\boxed{}}{24}$$

1 mark

Mark schemes

1. $\frac{34}{10}$

1

$3\frac{2}{5}$

1

[2]

2. $1\frac{5}{6}$ or equivalent

[1]

3. $\frac{11}{5}$ indicated

[1]

4. Award **TWO** marks for all four rows completed correctly as shown:

$1\frac{1}{2}$	1.2
----------------	-----

$1\frac{1}{4}$	1.3
----------------	-----

$1\frac{5}{100}$	1.4
------------------	-----

$1\frac{3}{5}$	1.5
----------------	-----

If the answer is incorrect, award **ONE** mark for three rows completed correctly.

Accept alternative unambiguous positive indications of the correct numbers, e.g numbers ticked.

Up to 2m

[2]

5.

16

1

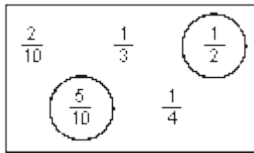
800

1

[2]

6.

Circles two fractions as shown:



Both fractions must be correct for the award of the mark.

Accept any other clear way of indicating the correct fractions, such as ticking or underlining.

[1]

7.

$\frac{4}{2}$, $\frac{10}{3}$ and $\frac{6}{4}$

All must be correct for the award of the mark.

1

$\frac{6}{4}$

1

$\frac{2}{5}$ and $\frac{4}{10}$

1

[3]

8.

$\frac{2}{8}$ joined to $\frac{1}{4}$

The line need not touch the fractions, provided the intention is clear.

Do not award the mark if more than one pair of fractions are joined.

[1]

9.

$$\frac{\boxed{11}}{2}$$

1

$$3\frac{\boxed{2}}{5}$$

1

[2]

10.

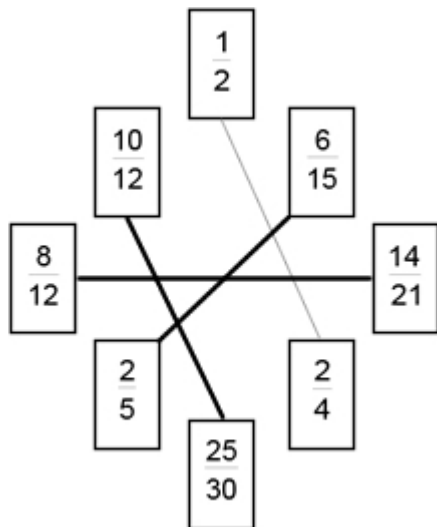
$$\frac{7}{6} \quad \frac{5}{4} \quad \frac{4}{3} \quad \frac{17}{12}$$

Accept equivalent, e.g. $\frac{14}{12} \quad \frac{15}{12} \quad \frac{16}{12} \quad \frac{17}{12}$

[1]

11.

Award **TWO** marks for three correct pairs joined, as shown.



Award **ONE** mark for any two correct pairs joined.

[2]

12.

All fractions completed as shown.

$$\frac{1}{3} = \frac{\boxed{2}}{6} = \frac{3}{\boxed{9}} = \frac{\boxed{4}}{12}$$

[1]

13.

Correct number circled, as shown:

$\frac{67}{8}$

$\frac{48}{8}$

$\frac{62}{8}$

$\frac{55}{8}$

$\frac{76}{8}$

Accept alternative unambiguous positive indication of the correct answer, e.g. fraction ticked.

[1]

14.

$\frac{25}{30}$

1

$\frac{30}{36}$

1

[2]

15.

Both values correct, as shown:

$$\frac{3}{4} = \frac{9}{\boxed{12}} = \frac{\boxed{18}}{24}$$

Both values must be correct for the award of **ONE** mark.

[1]