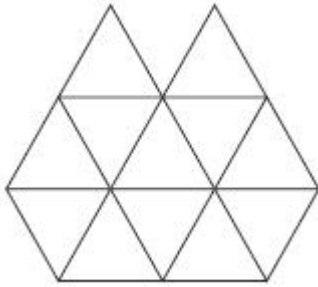


Reasoning with Fractions 5.2.21

1.

Shade $\frac{1}{4}$ of this shape.

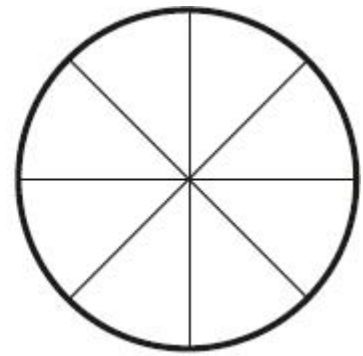
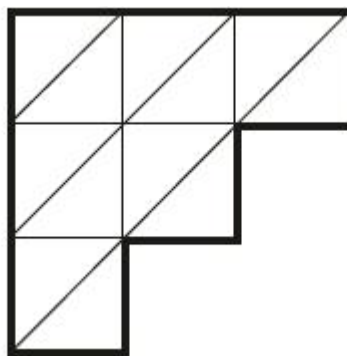
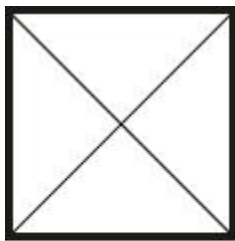


1 mark

2.

Each diagram below is divided into equal sections.

Shade three-quarters of each diagram.



2 marks

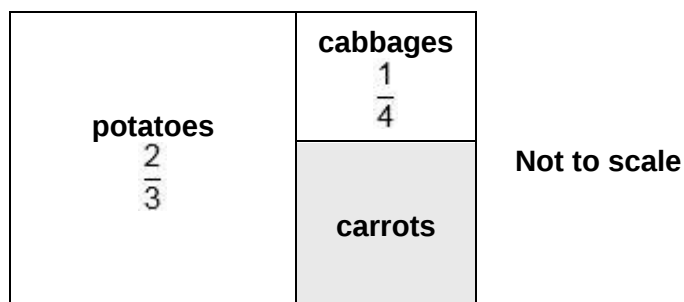
3. Tick the fractions **less than** $\frac{5}{8}$

$\frac{1}{2}$	☐
$\frac{2}{8}$	☐
$\frac{3}{4}$	☐
$\frac{7}{16}$	☐
$\frac{24}{32}$	☐

2 marks

4. This is a diagram of a vegetable garden.

It shows the fractions of the garden planted with potatoes and cabbages.



The remaining area is planted with carrots.

What **fraction** of the garden is planted with carrots?

Show
your
method

2 marks

5.

The numbers in this sequence increase by the same amount each time.

Write the missing numbers.

	1	$1\frac{5}{8}$	$2\frac{1}{4}$	
--	---	----------------	----------------	--

2 marks

6.

Write the missing fraction.

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

1 mark

7.

$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{10}$	$\frac{1}{20}$	$\frac{1}{40}$
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Use three of these fraction cards to complete the sum below.

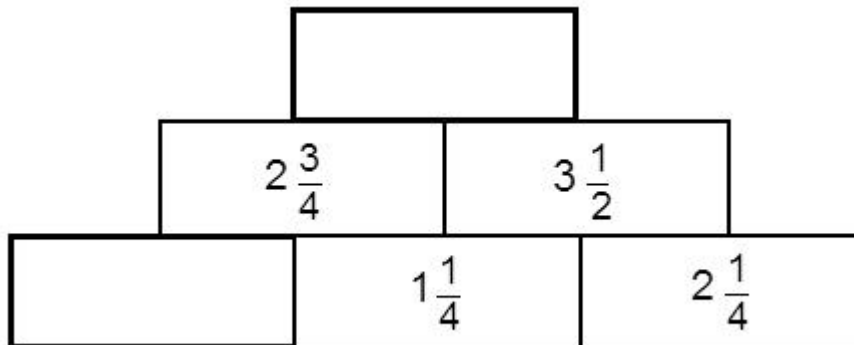
$$\boxed{} + \boxed{} + \boxed{} = \frac{1}{2}$$

1 mark

8.

In this diagram, the number in each box is the **sum** of the two numbers below it.

Write the missing numbers.



2 marks

9.

Stefan has a bag that contains 3 blue marbles and 5 red marbles only.



What fraction of the marbles in the bag are blue?

1 mark

Stefan adds one blue marble and one red marble to the bag.

What fraction of the marbles in the bag are blue now?

1 mark