

1. (a) Which **two** of these fractions are equivalent to $\frac{1}{3}$?

$\frac{2}{6}$ $\frac{5}{12}$ $\frac{6}{18}$ $\frac{11}{30}$

Answer

(2)

(b) Write 70% as a decimal.

Answer

(1)

(c) Write $\frac{3}{10}$ as a decimal.

Answer

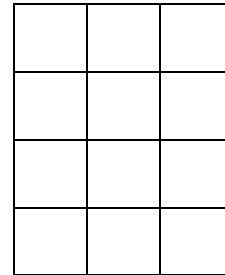
(1)

(Total 4 marks)

2. Tony has a rectangular garden, divided into square plots.

A diagram of his garden is shown.

Tony uses $\frac{1}{3}$ of his garden for growing vegetables.



(i) Shade $\frac{1}{3}$ of the diagram.

(1)

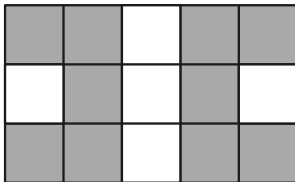
(ii) What fraction of Tony's garden is **not** used for growing vegetables?

Answer

(1)

(Total 2 marks)

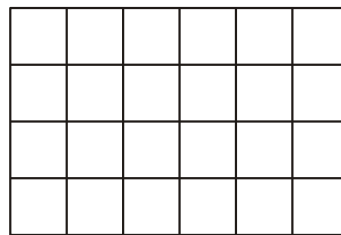
3. (a) What fraction of this shape is shaded?



Answer

(1)

(b) Shade in $\frac{3}{4}$ of this shape.



(1)

(c) Write down a different fraction which is equivalent to $\frac{3}{4}$.

.....

Answer

(1)

(d) Express $\frac{40}{64}$ as a fraction in its simplest form.

.....

Answer

(2)

(Total 5 marks)

4. Heather is revising fractions for her homework. This is how she answers one of the questions.



$$\frac{1}{2} + \frac{1}{3} = \frac{2}{5}$$

Heather is wrong.

Show the correct way to work out $\frac{1}{2} + \frac{1}{3}$

.....

(Total 3 marks)

5. Work out the value of $\frac{2}{5} + \frac{1}{4}$

.....

Answer

(Total 2 marks)

6. (a) Work out $\frac{3}{7} \times 28$

.....

Answer

(2)

- (b) Work out $\frac{3}{5} \div 6$

.....

Answer

(2)

- (c) Work out $\frac{3}{5} - \frac{1}{4}$

.....

.....

Answer

(2)

(Total 6 marks)

7. There are 24 passengers on a bus:

$\frac{1}{4}$ of the passengers are men.

$\frac{1}{3}$ of the passengers are women.

The rest of the passengers are children.

How many passengers are children?

.....

Answer

(Total 3 marks)

8. (a) There are 40 sweets in a bag.

Ben eats $\frac{1}{8}$ of the 40 sweets.

Jerry eats $\frac{1}{5}$ of the 40 sweets.

What fraction of the sweets do Ben and Jerry eat altogether?

.....

Answer.....

(3)

(b) Work out $\frac{2}{5} - \frac{3}{8}$

.....

Answer.....

(2)

(Total 5 marks)

9. (a) Which is larger, $\frac{7}{8}$ or 78%?

Give a reason for your answer.

Answer

Reason

.....

(2)

(b) Work out $\frac{3}{8} \times \frac{2}{9}$

.....

Answer

(1)

(Total 3 marks)

10. A supermarket sells 500 kg of potatoes.

$\frac{3}{10}$ of the potatoes are sold in 5 kg bags.

How many 5 kg bags of potatoes does the supermarket sell?

.....

Answer bags

(Total 4 marks)

11. Work out the following

(a) $\frac{2}{5}$ of 45

.....

Answer

(2)

(b) $\frac{2}{5} \times \frac{1}{4}$

.....

Answer

(1)

(c) $\frac{2}{5} - \frac{1}{4}$

.....

Answer

(2)

(d) John's dog eats $\frac{2}{3}$ of a tin of dog food each day.

What is the least number of tins needed for 7 days?

.....

Answer

(3)

(Total 8 marks)

12. Work out $1\frac{3}{4} \div 1\frac{4}{11}$

.....

Answer

(Total 3 marks)