



ACHIEVE ACADEMY

GCSE Maths — Foundation Tier

Fractions, Decimals & Percentages · Practice Booklet

NAME: _____

CLASS: _____

DATE: _____

☐ Developing

☒ Secure

☐ Greater Depth

Answer every question in the working space provided. Method marks are available for correct working even if the final answer is wrong. Check the time allowed with your tutor before you start.

Fractions, Decimals & Percentages

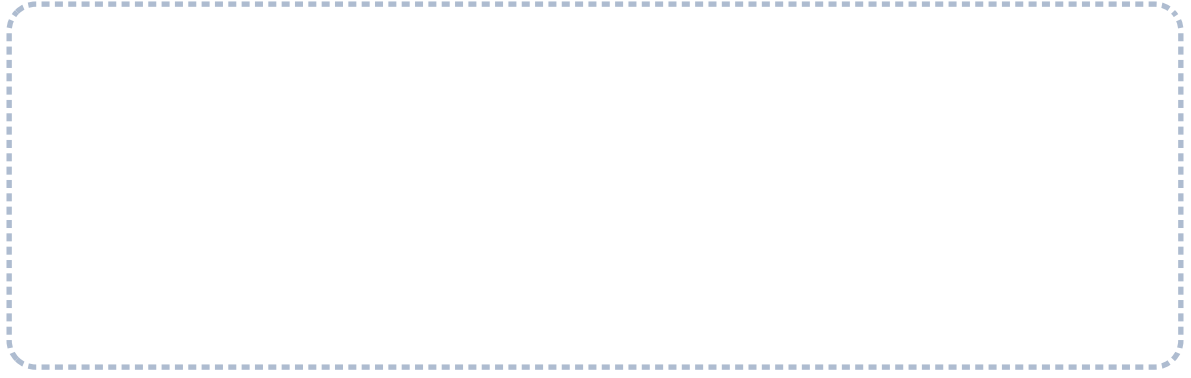
Total marks available: 80

Fractions, Decimals & Percentages

Q1

[2 marks]

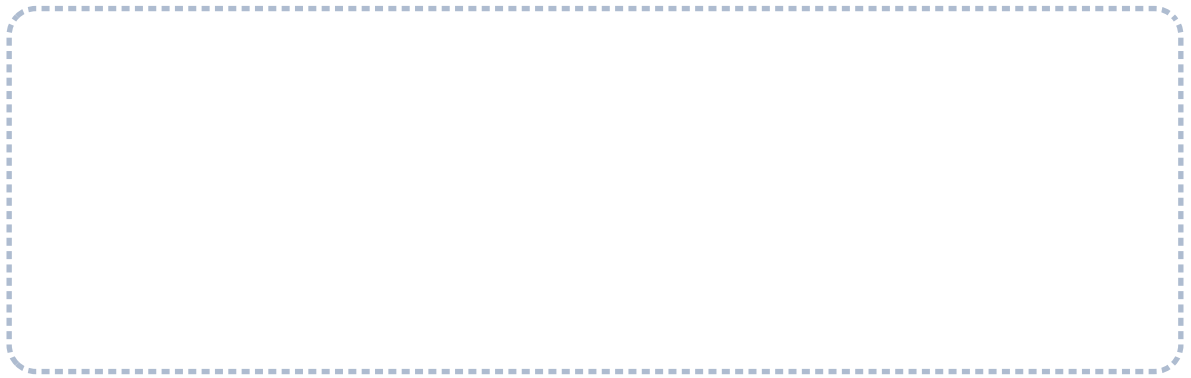
Find $\frac{3}{4}$ of 16 sweets.



Q2

[2 marks]

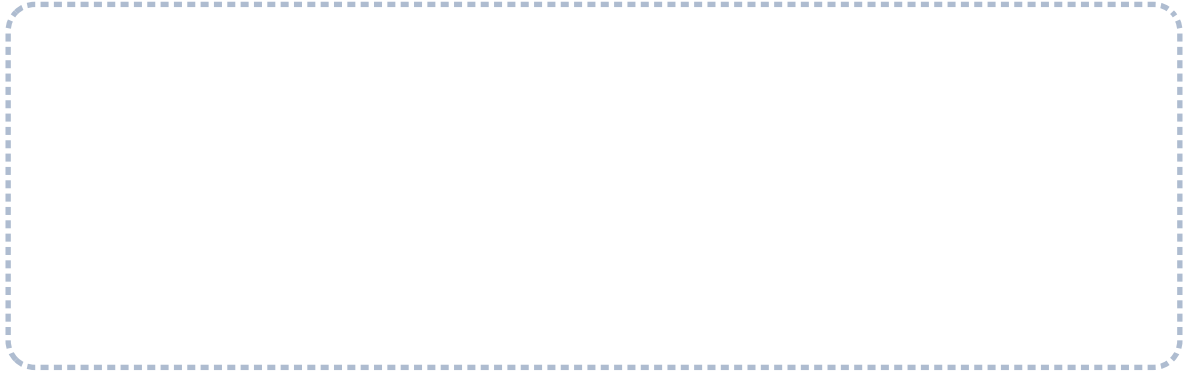
Write $\frac{1}{2}$ as a decimal.



Q3

[2 marks]

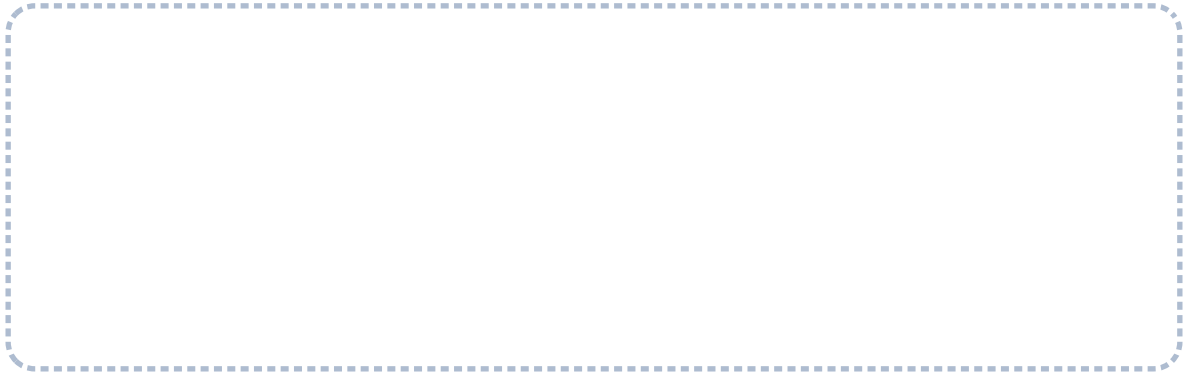
Write $\frac{22}{25}$ as a decimal.



Q4

[2 marks]

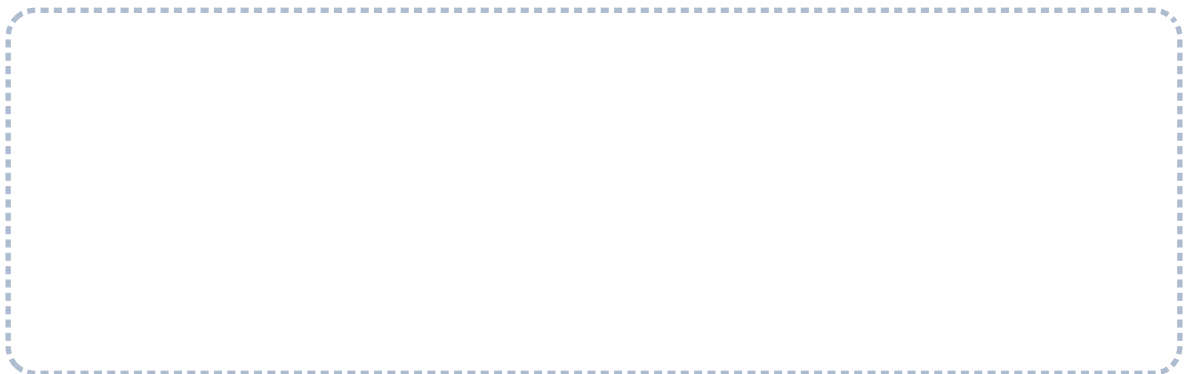
Write $\frac{3}{4}$ as a percentage.



Q5

[2 marks]

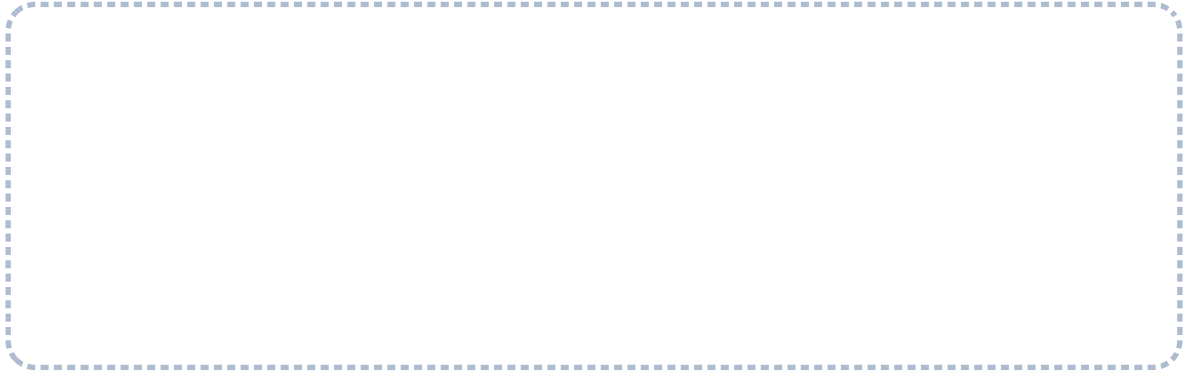
Write 6% as a fraction in its simplest form.



Q6

[2 marks]

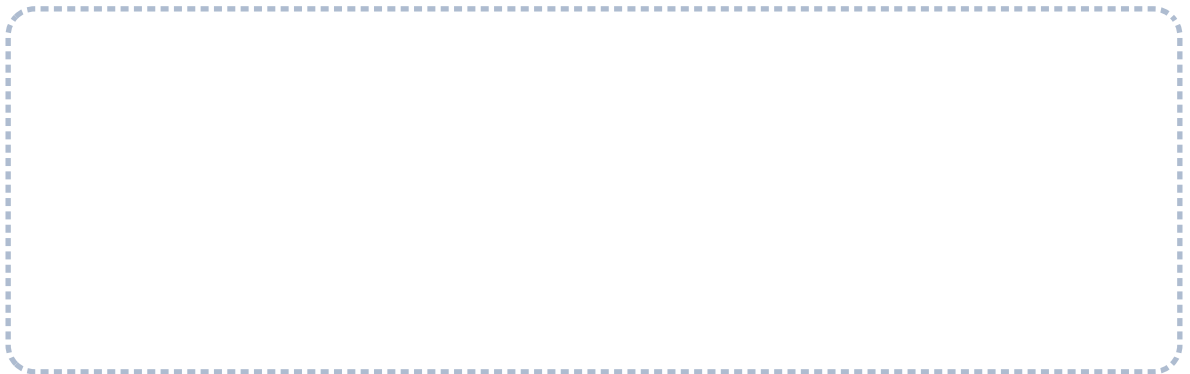
Write 60% as a fraction in its simplest form.



Q7

[2 marks]

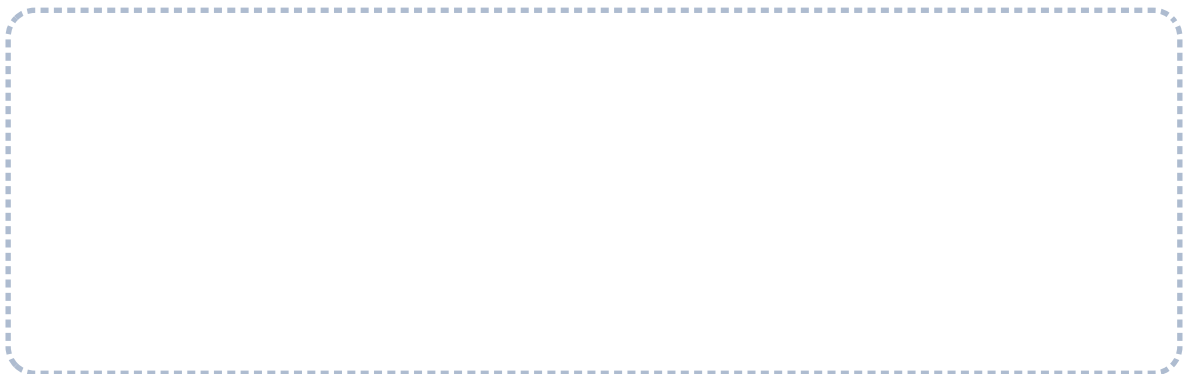
Find $\frac{3}{4}$ of 40 km.



Q8

[2 marks]

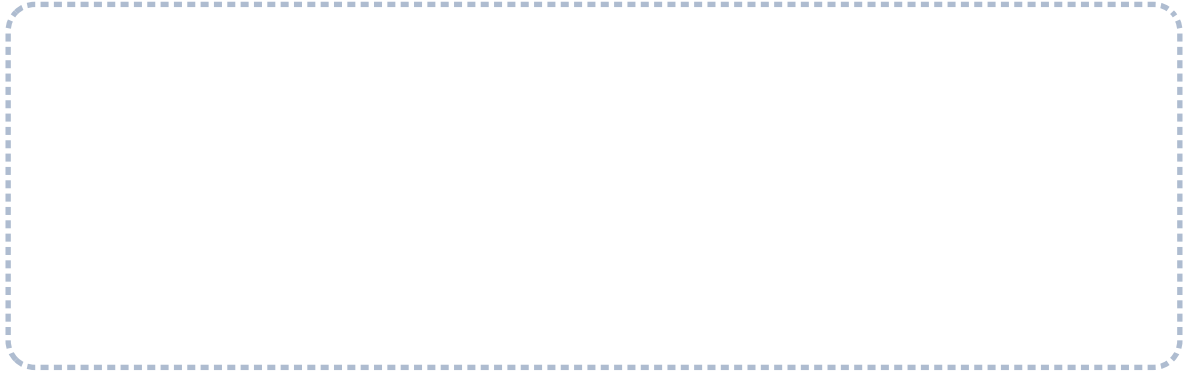
Write $\frac{4}{5}$ as a decimal.



Q9

[2 marks]

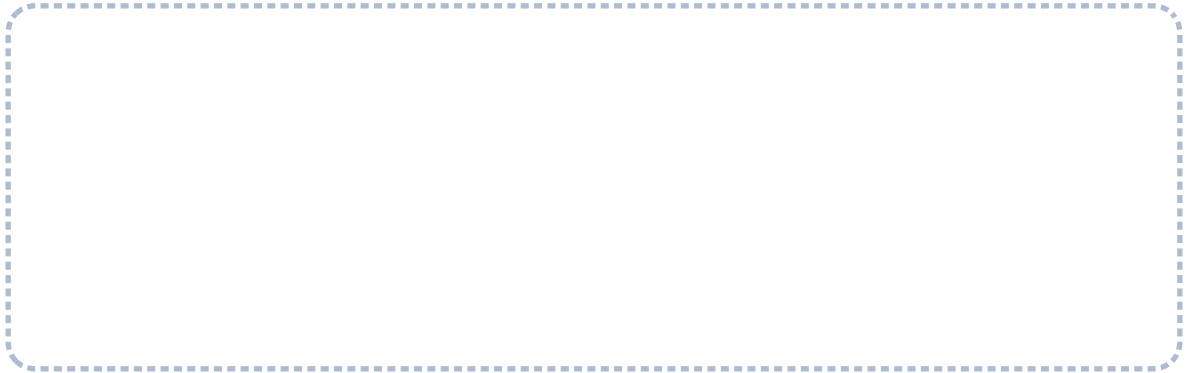
Write $\frac{1}{4}$ as a decimal.



Q10

[2 marks]

Write $\frac{2}{5}$ as a percentage.



Q11

[3 marks]

Calculate $\frac{1}{4} + \frac{1}{6}$. Give your answer in its simplest form.

Q12

[3 marks]

209 is increased by 30%. Calculate the new amount.

Q13

[3 marks]

£340 is decreased by 15%. Calculate the new amount.

Q14

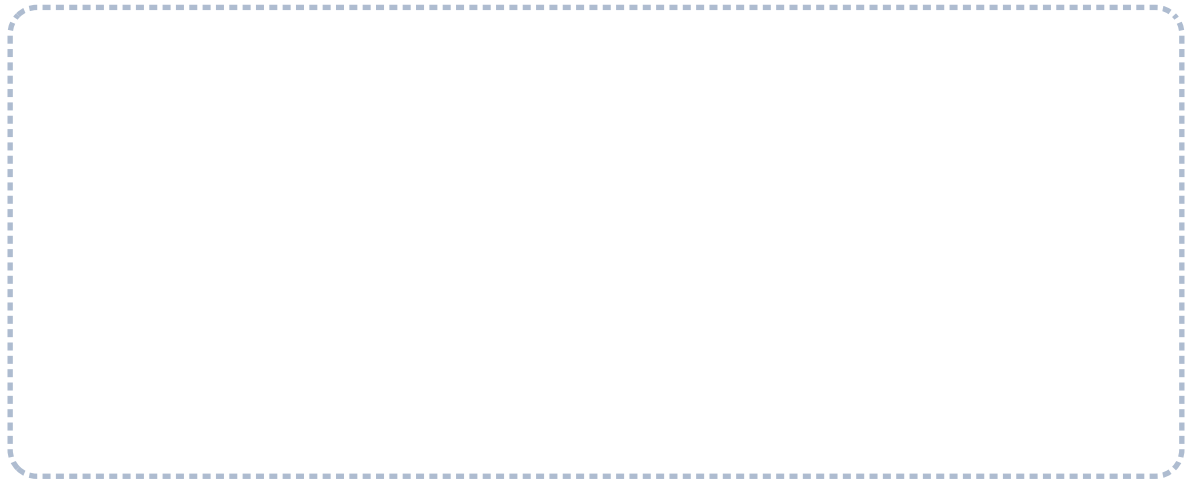
[3 marks]

Calculate $\frac{4}{6} + \frac{4}{5}$. Give your answer in its simplest form.

Q15

[3 marks]

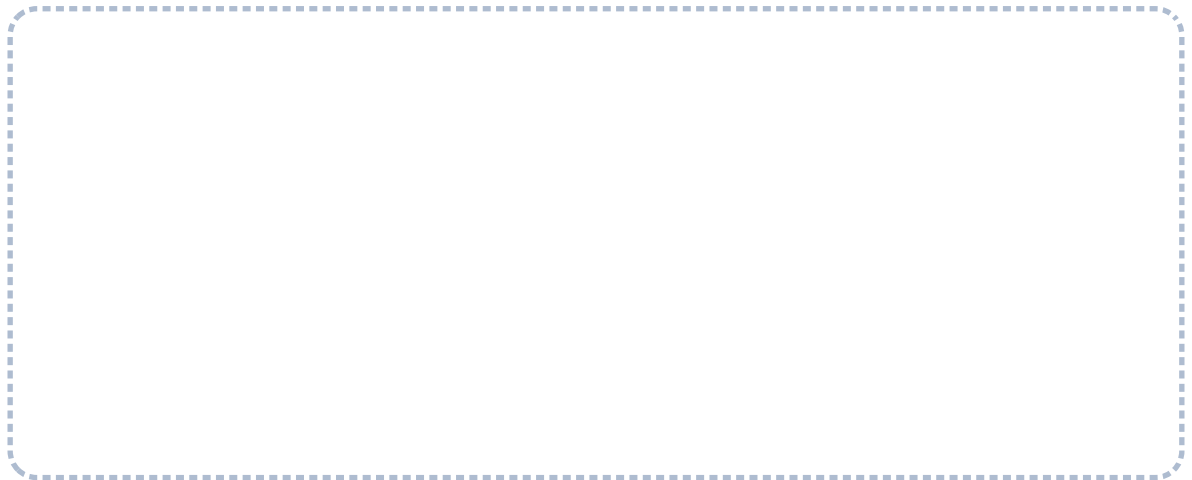
Calculate $\frac{1}{3} + \frac{2}{5}$. Give your answer in its simplest form.



Q16

[3 marks]

Calculate $\frac{2}{5} + \frac{2}{6}$. Give your answer in its simplest form.



Q17

[3 marks]

335 is decreased by 10%. Calculate the new amount.

Q18

[3 marks]

227 is increased by 30%. Calculate the new amount.

Q19

[3 marks]

Calculate $\frac{1}{2} - \frac{1}{3}$. Give your answer in its simplest form.

Q20

[3 marks]

£133 is increased by 20%. Calculate the new amount.

Q21

[3 marks]

Calculate $\frac{5}{6} \div \frac{1}{4}$. Give your answer in its simplest form.

Q22

[3 marks]

Calculate $\frac{5}{8} \div \frac{2}{3}$. Give your answer in its simplest form.

Q23

[3 marks]

A quantity changes from 142 to 149. Calculate the percentage increase, to 1 decimal place.

Q24

[3 marks]

Calculate $\frac{3}{4} \div \frac{1}{7}$. Give your answer in its simplest form.

Q25

[3 marks]

Calculate $\frac{2}{5} \div \frac{5}{9}$. Give your answer in its simplest form.

Q26

[3 marks]

A quantity changes from 294 to 235. Calculate the percentage decrease, to 1 decimal place.

Q27

[3 marks]

Calculate $\frac{2}{5} \times \frac{5}{7}$. Give your answer in its simplest form.

Q28

[3 marks]

Calculate $\frac{1}{3} \div \frac{4}{5}$. Give your answer in its simplest form.

Q29

[3 marks]

A quantity changes from 212 to 265. Calculate the percentage increase, to 1 decimal place.

Q30

[3 marks]

Calculate $\frac{1}{2} \times \frac{6}{7}$. Give your answer in its simplest form.