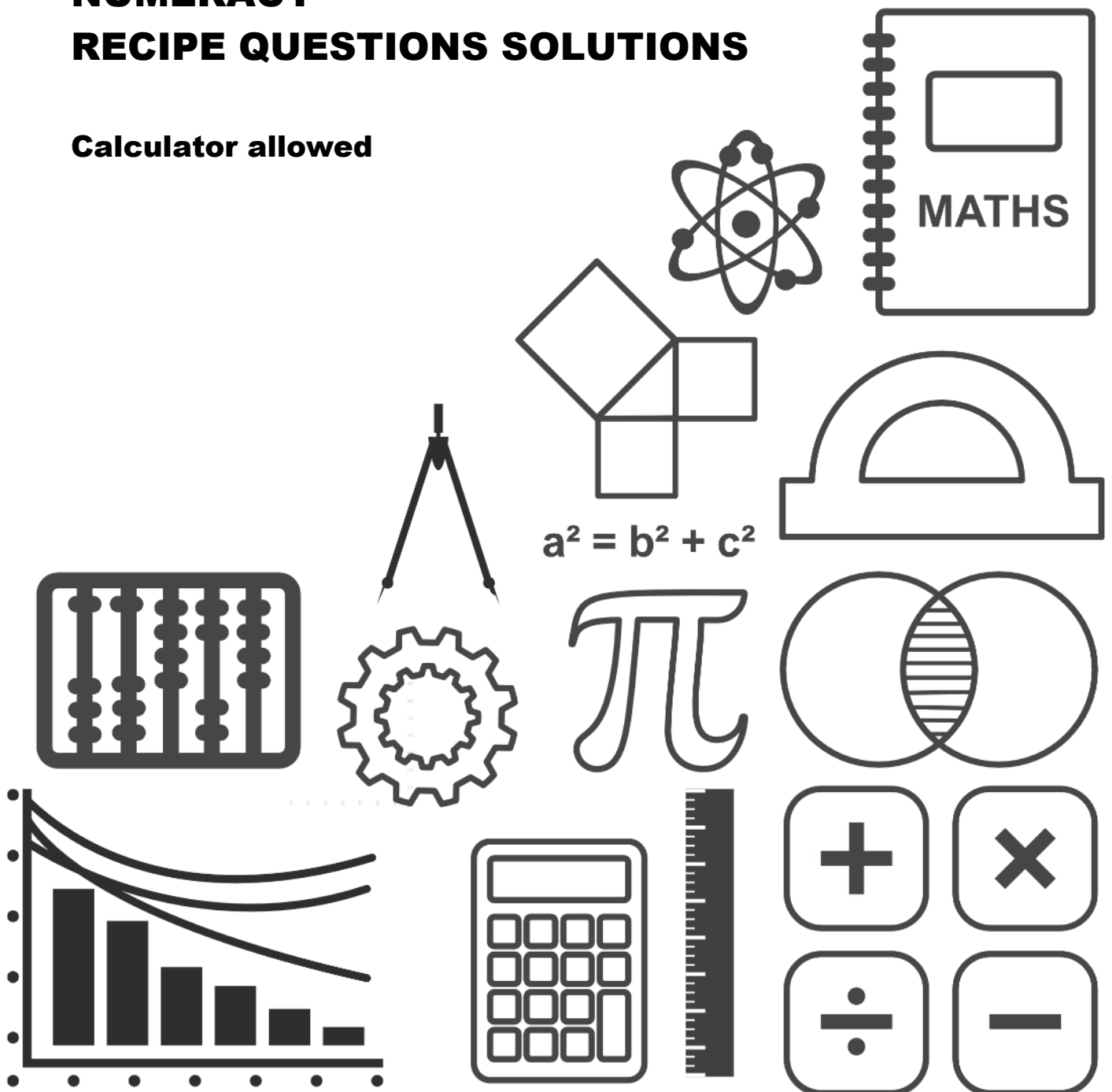


MATHSDIY

GCSE TOPIC BOOKLET NUMERACY RECIPE QUESTIONS SOLUTIONS

Calculator allowed



1.

Edmund plans to use the recipe shown to make soup.

Carrot soup, serves 4 people

- 450g carrots
- 0.8 litres stock
- 4 tablespoons of cream
- 2 onions

-4

1 person
 112.5g
 0.2 litres
 1 tablespoon
 $\frac{1}{2}$ onion

He starts to write the recipe for serving 25 people.

Carrot soup to serve 25 people

- 2812.5 g carrots
- 5 litres stock
- 25 tablespoons of cream
- 12 (or 13) whole onions →

choose one of these

Edmund does not want part of an onion left over. Complete the recipe for Edmund.

[3]

Strategy find the quantities for 1 person first by dividing by 4.

Then $\times 25$ to get the quantities for 25.

Careful It says that Edmund does not want part of an onion left over. Multiplying $\frac{1}{2} \times 25 = 12.5$ so we need to choose 12 or 13. Either is OK.

2.

Gustav is making some scones for his sister's birthday party.

Recipe to make 12 scones

450g self raising flour
 2 teaspoons of baking powder
 75g butter
 50g caster sugar
 2 eggs
 225ml milk

Bake at 428°F for 10 to 15 minutes

- (i) How much self raising flour will Gustav need to make 30 scones?
 Circle your answer.

[1]

900g

1000g

1100g

1125g

1350g

12 scones = 450g, so 6 scones = 225g
 so 30 scones = 5 × 225 = 1125g