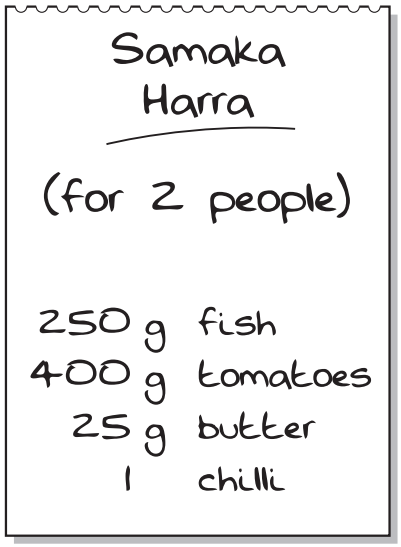
Here are the ingredients for Samaka Harra for 2 people.



Fahad makes Samaka Harra for 3 people.

How many grams of fish does he use? ..... grams

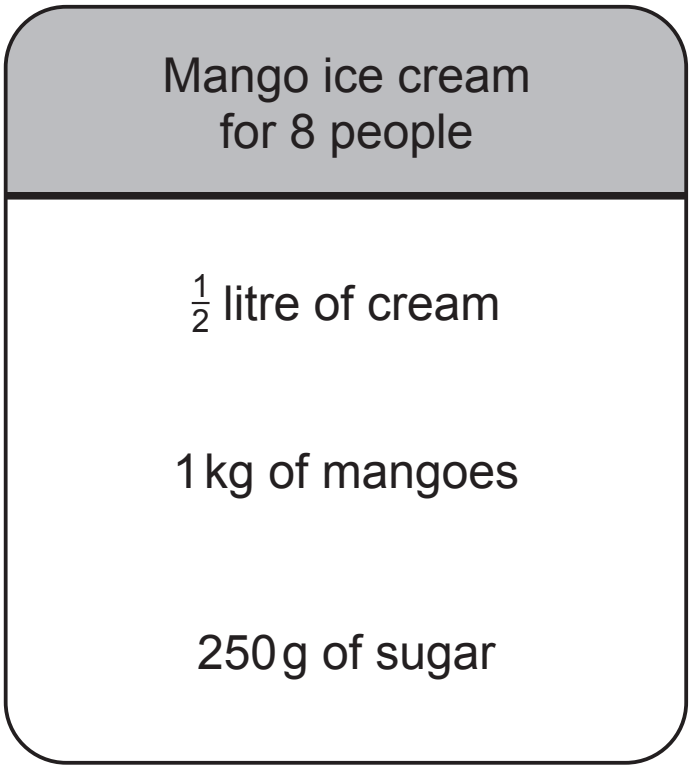
Nafez uses 2 kg of tomatoes to make Samaka Harra.

How many people will his Samaka Harra feed? .....

How much butter is in his Samaka Harra? ..... grams

How much fish is in his Samaka Harra? ..... grams

Here is a recipe for mango ice cream for 8 people.



Sabah makes enough mango ice cream for 12 people.

How much cream does she use? ..... litre

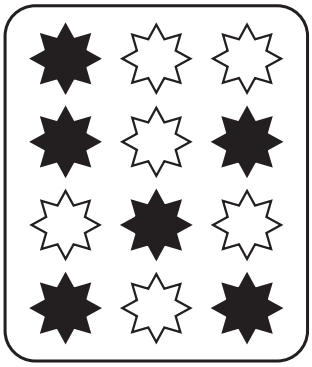
Rasha makes mango ice cream in the same way.

She uses 2½ kg of mangoes.

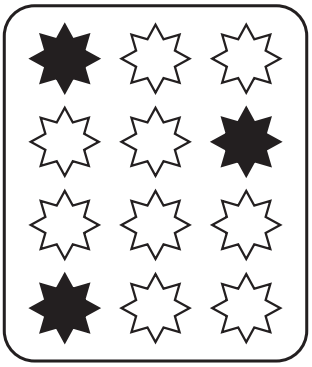
How much sugar does she use? ..... grams

For each set of stars, complete the statements below.

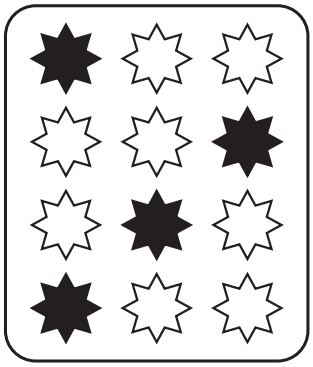
Set A



Set B



Set C



☐ in every ☐ stars is black.

Write this proportion as:

a fraction ☐

a decimal ☐

a percentage ☐

The ratio of black stars to white stars is ☐ to ☐.

Complete this table.

in every	fraction	decimal	percentage
1 in every 5			
			75%
	$\frac{2}{3}$		
3 in every 8			

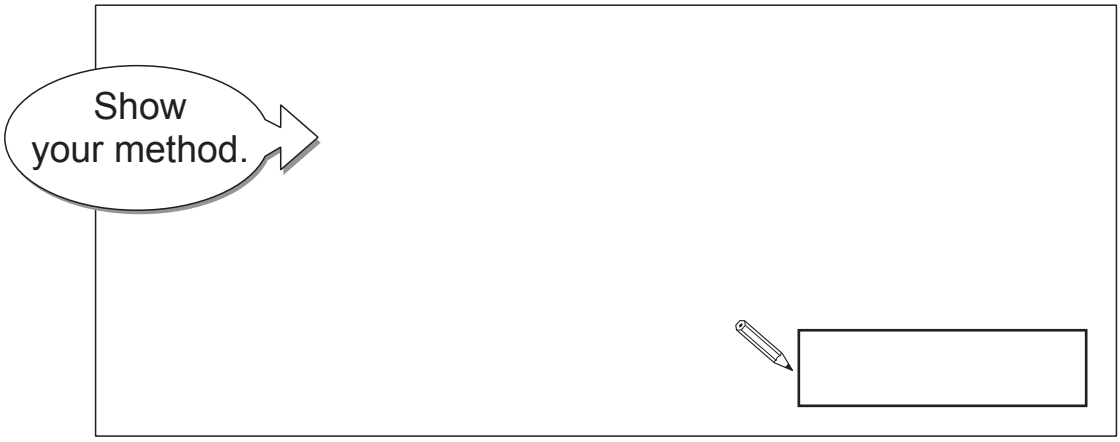
Resource 6.2

1 Bader made sweets for a party.

When he put the sweets in packs of 5 he had 3 left over.

When he put the sweets in packs of 4 he had 3 left over.

Bader made over 55 sweets. How many sweets did he make?



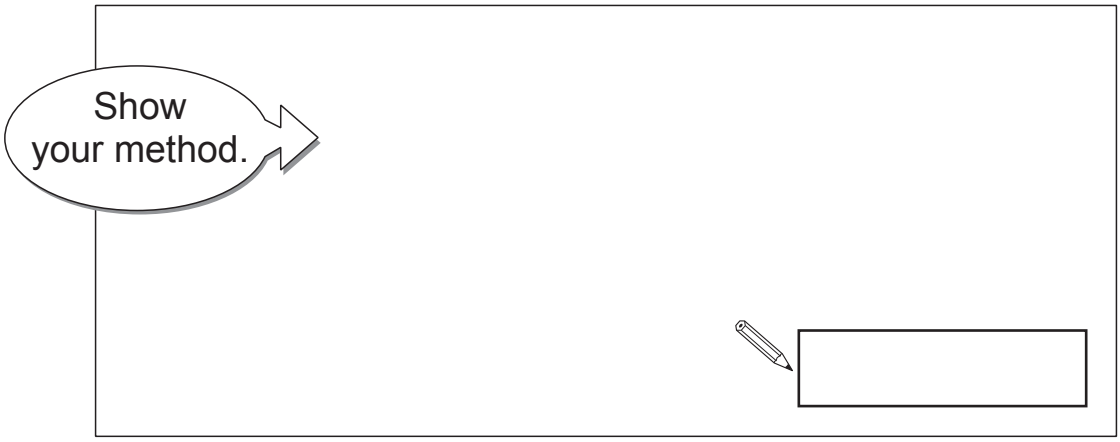
2 Mariam and Aisha have the same number of postcards.

When Mariam puts her cards in piles of 12, she has 9 left over.

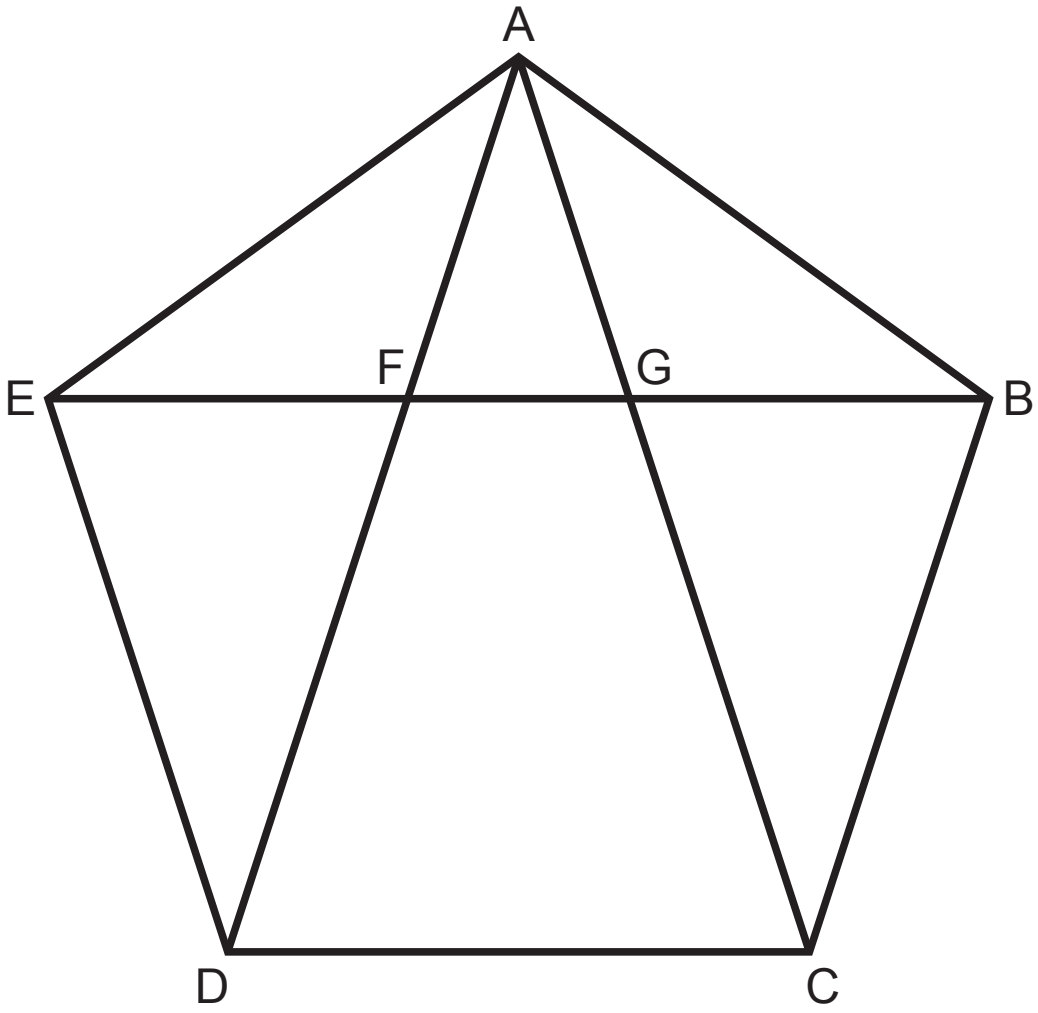
When Aisha puts her cards in piles of 10, she has 1 left over.

Mariam knows that her number of cards is a square number.

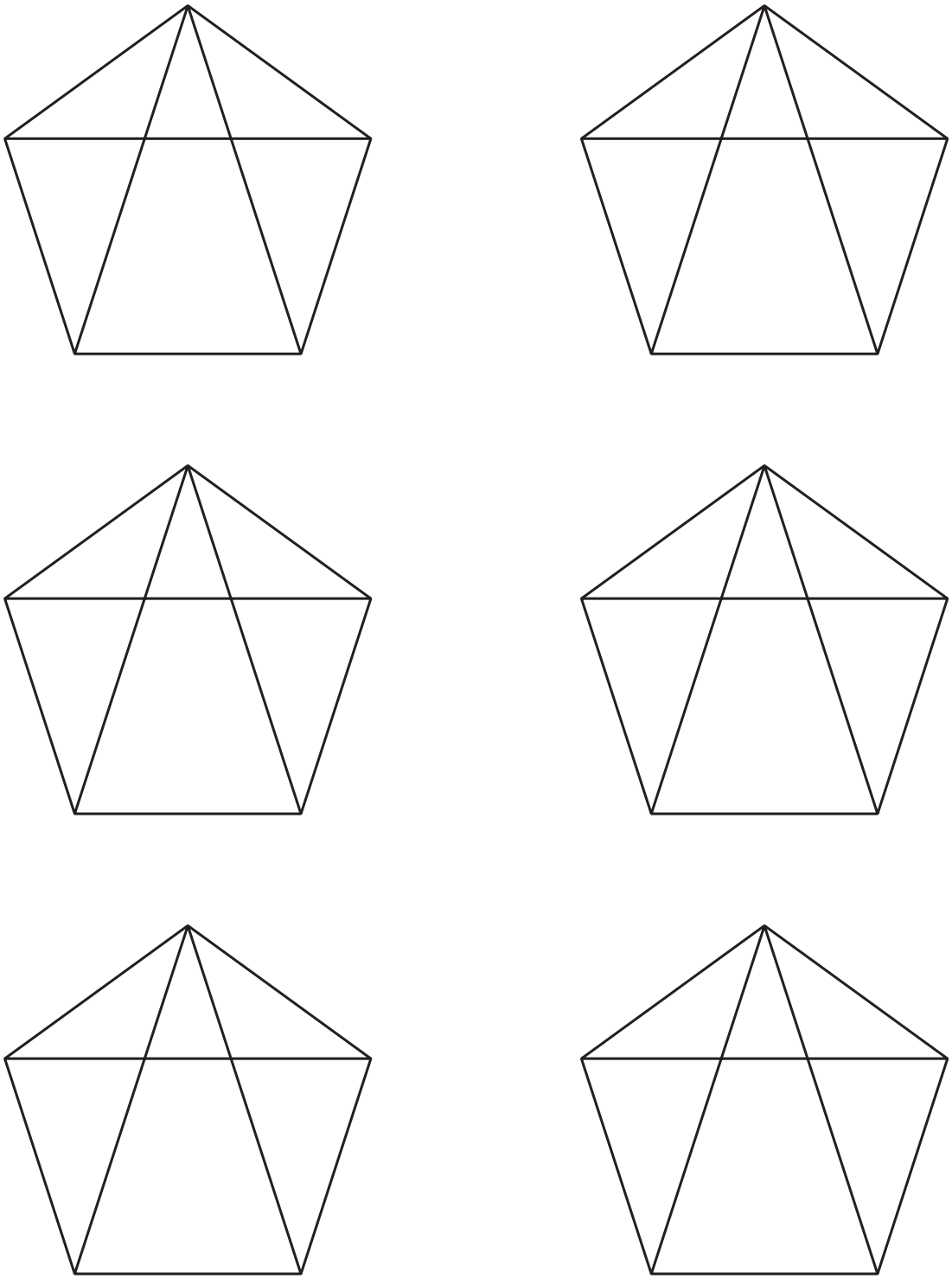
How many cards does she have?



OHT 6.3a



Resource 6.3b



Resource 6.3c

Use the space below to construct triangle LMN.

LM = 8 cm angle L = 45° angle M = 30°

Measure side MN. What is its length? ..... cm

Use the space below to construct triangle PQR.

PQ = 7.5 cm angle P = 25° angle Q = 105°

Measure side PR. What is its length? ..... cm

Resource 6.3d

Use the space below to construct triangle DEF.

DE = 6.5 cm DF = 6.5 cm angle D = 70°

Measure angle E. What is its size? ..... °

Use the space below to construct triangle ABC.

AB = 6 cm BC = 5 cm angle B = 120°

Measure angle A. What is its size? ..... °

Video games: jumbled data

QR 50 QR 60 QR 40 QR 60

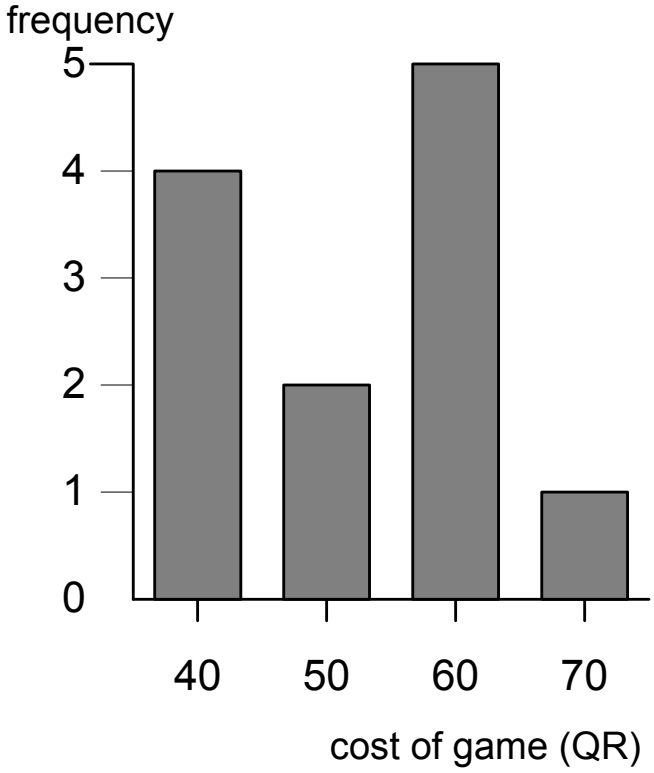
QR 60 QR 40 QR 60 QR 40

QR 60 QR 50 QR 40 QR 70

Table of cost of video games

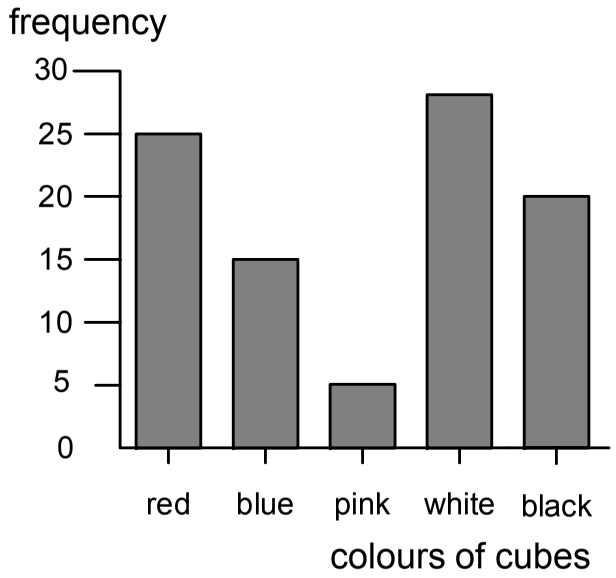
cost of game (QR)	frequency
40	4
50	2
60	5
70	1
TOTAL	12

Bar chart of cost of video games



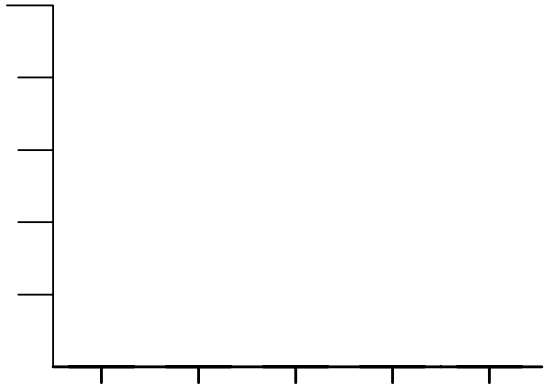
Resource 6.4b

Colours of cubes in box 1



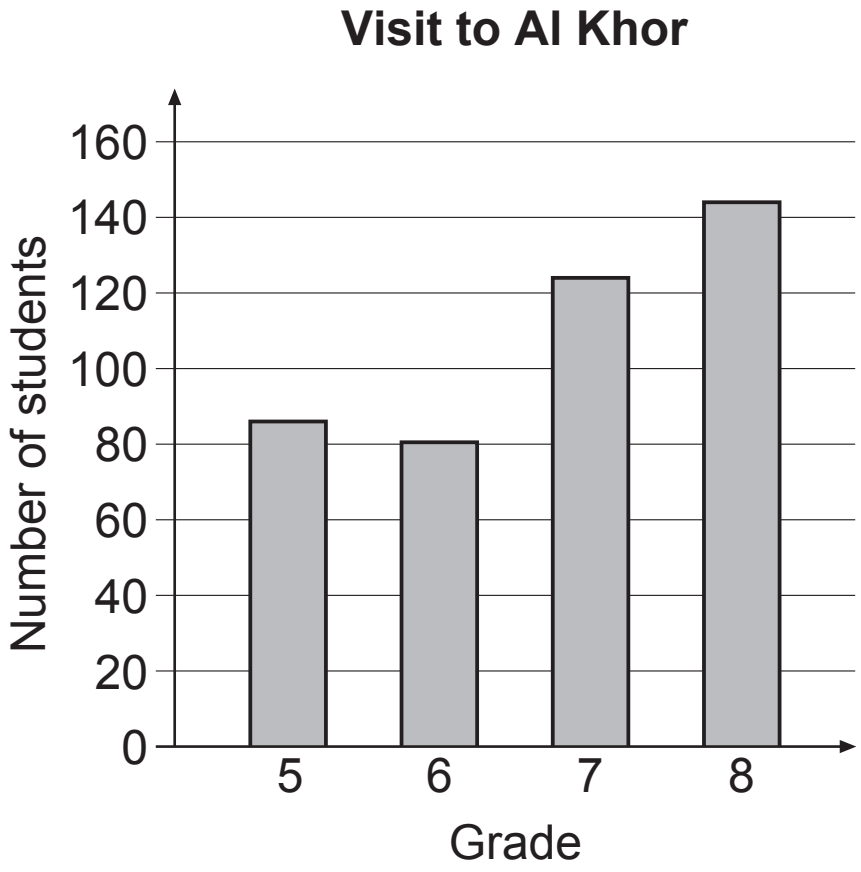
colours	frequency
red	
blue	
pink	
white	
black	
TOTAL	

Colours of cubes in box 2



colours	frequency
grey	10
green	17
red	12
brown	25
blue	19
TOTAL	

This graph shows the numbers of students from each grade who went on a visit to Al Khor.



Estimate the total number of students from Grade 7 and Grade 8 who went on the visit.

Each student paid QR 2.25 towards the cost of travel.
How much travel money was collected from Grade 6?