

Non-calculator Questions

NCFE

1.

Emma gets this quote for office furniture:

<i>Office Genius Ltd</i>	
To supply and install furniture:	
27 desks @ £260	£7020
27 chairs @ £110	£2970
10 filing cabinets @ £200	£2000
1 meeting table	£1635
12 meeting chairs @ £250	£3000
Delivery & Installation	£1875
Total	£18500

What fraction of the quote is for Delivery & Installation?
Show your answer in its simplest form.

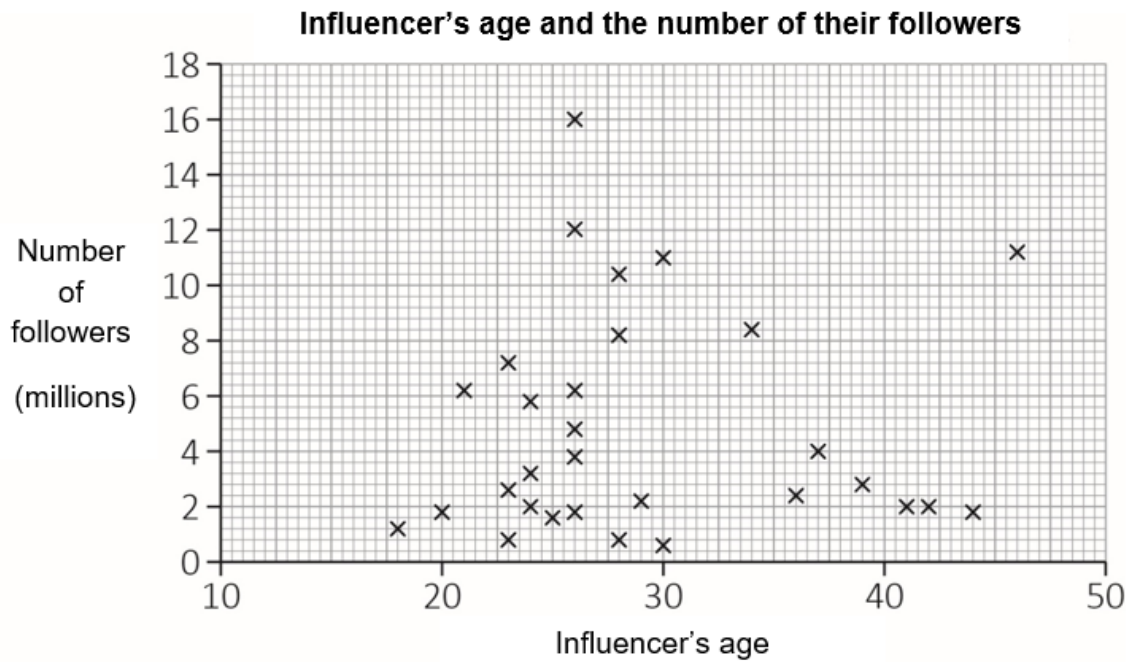
[2 marks]

Your answer:

2.

Tarah has this scatter diagram.

The diagram shows the ages of the top influencers in the UK and the numbers of their followers.



What fraction of the influencers under the age of 30 have more than 10 million followers?

[3 marks]

Your answer:

City & Guilds

3.

What is 75 as a fraction of 125? Give your answer in its simplest form.

$$\frac{\square}{\square}$$

(1 mark)

4.

What is 108 as a fraction of 648? Give your answer in its simplest form.

$$\frac{\square}{\square}$$

(1 mark)

Level 2 Maths Fractions Exam Questions

Highfield

5.

In a multipack of biscuits, there are 12 custard creams, 12 bourbons, 14 shortbread and 15 digestives.

What fraction of the biscuits are custard creams?

Write the answer in the box below.

(1 mark)

Answer: _____

Level 2 Maths Fractions Exam Questions

6.

You are working for Highfield Vets.

During your first week, Highfield Vets treat 72 cats, 63 dogs, 54 birds and 51 small mammals.

What fraction of the total animals treated are cats?

Give your answer in its simplest form.

Show your working out and write the answer in the box below.

(4 marks)

Answer: _____

Calculator Questions

Edexcel

1.

Last year Zack had two jobs.

Zack worked

- in an office for 12 months and earned £2600 per month
- at a gym for 39 weekends and earned £80 per weekend.

What fraction of his total income last year came from his work at the gym?
Write the fraction in its simplest form.

(4)

$$\frac{\boxed{}}{\boxed{}}$$

2.

Yesterday Benji made

- 48 sales in the shop
- 76 sales online.

What fraction of the total number of sales made yesterday were in the shop?
Write your fraction in its simplest form.

(2)

$$\frac{\square}{\square}$$

NCFE

3.a)

Tom reads that scientists are planning to move an iceberg across the sea to provide water to a very dry country.

The iceberg weighs 40 million tonnes.

Write 40 million using numbers.

[1 mark]

Your answer:

b)

The iceberg will melt as it travels.

By the time it arrives, the iceberg will weigh only 25 million tonnes.

By what fraction will the original iceberg have reduced in weight by the time it arrives?

Give your answer in its simplest form.

[2 marks]

Your answer:	

4.

There are 51 million adults in the UK.

20.5 million do **not** do any regular exercise.

What fraction of adults in the UK do **not** do any regular exercise?

[1 mark]

Your answer:	

City & Guilds

5.

The results for a local election were

Candidate One	602	votes
Candidate Two	553	votes
Candidate Three	350	votes

What fraction of the votes did the winner get?

Give your answer in its simplest form.

$$\frac{\square}{\square}$$

(1 mark)

6.

What is 35 as a fraction of 490? Give your answer in its simplest form.

$$\frac{\square}{\square}$$

(1 mark)

Level 2 Maths Fractions Exam Questions

Highfield

7.

What is 36 out of 96 as a fraction? Simplify your answer.

Show your working out and write the answer in the box below.

(2 marks)

Answer: _____

8.

What is 18 out of 63 as a fraction? Simplify your answer.

Show your working out and write the answer in the box below.

(2 marks)

Answer: _____

Open Awards

9.

Give 144 as a fraction of 240 in its simplest form.

(2 marks)

Show your calculations and/or workings out here:

Write your answer in this box.

AQA

10.

Lucas is going shopping at a supermarket.

Lucas has a budget of £50 per week for food.

He has already spent £12.50 on takeaway meals.

What fraction of his budget does he have left?

[2 marks]

Answer _____