Pearson

WEEK 1 TASKS

Remember to mark your work when completed. This is a crucial part of revision in maths. Make a note of any topics that you need additional support with and ask for help.

You may find it useful to revisit the same questions a week later and check that you can then answer questions that you were previously unsure about or could not answer.

Remember: you can do this!

WEEK 1 TASK 1

One Marker Starters

Includes Summer 2017 – Summer 2024 Exam Papers

(Unless otherwise stated)

Pearson

1 Find the square root of 64

2 Write 7.26451 correct to 3 decimal places

3 Simplify $7 \times e \times f \times 8$

4 Write $\frac{4}{5}$ as a percentage

5 Write 20% as a fraction

6 Here are four digits:

5 6 1 9

Write down the smallest possible two digit number that can be made with two of the digits

7 Work out 120 – 89

8 Write down a multiple of 6 that is between 40 and 50

9 Write in order of size. Start with the smallest number

0.078 0.78 0.87 0.708

10 Change 4560 g into kg

WEEK 1 TASK 2

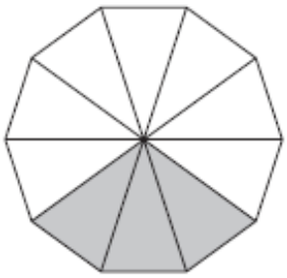
Estimated completion time = 30 minutes.

Answer all questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 What fraction of this shape is shaded?



.....

(Total for Question 1 is 1 mark)

2 Write down **three** different factors of 20

..... , ... , ...

(Total for Question 2 is 2 marks)

3 Miss Bailey asked 24 students where they each wanted to go on a school trip.

Here are the results.

museum	castle	castle	farm
farm	castle	farm	farm
castle	farm	castle	castle
castle	farm	castle	museum
museum	farm	castle	museum
museum	museum	castle	castle

(*a*) Complete the frequency table.

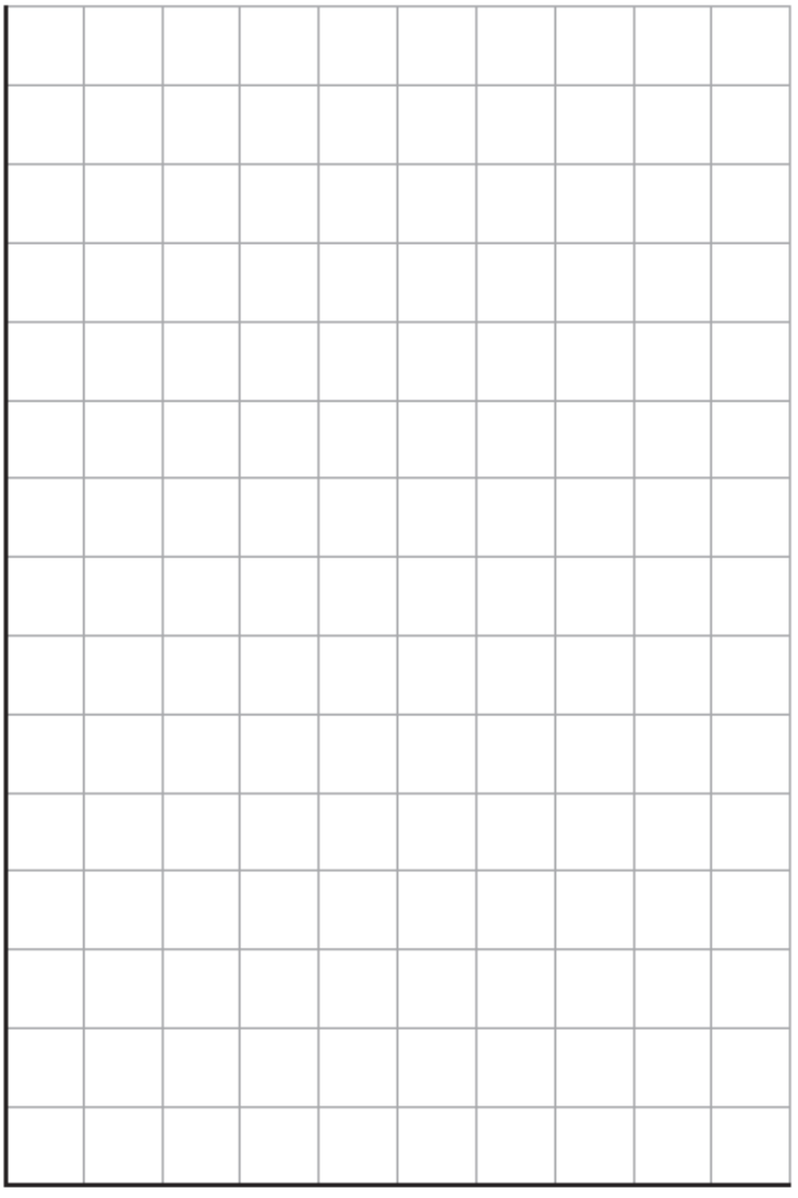
Place	Tally	Frequency
castle		
farm		
museum		

(2)

(*b*) Write down the place that is the mode.

..... **(1)**

(*c*) Draw a bar chart to show the results.



(3)

(Total for Question 3 is 6 marks)

---

4 Matt is drawing a scale diagram.
1 cm represents 5 m.
He draws a line 3 cm long.
What real distance does the line represent?

..... m

(Total for Question 4 is 1 mark)

5 Solve $p - 2 = 3$

$p =$ .....

(Total for Question 5 is 1 mark)

---

6 Simplify $3 \times a \times 4$

.....

(Total for Question 6 is 1 mark)

---

7 Selina has a bag of 22 counters.
5 of the counters are blue.
9 of the counters are red.
8 of the counters are pink.
Selina takes at random a counter from the bag.

Write down the probability that Selina

(i) takes a red counter,

..... **(1)**

(ii) takes a white counter.

..... **(1)**

(Total for Question 7 is 2 marks)

---

8 A total of 700 tickets were on sale for a football match.
452 of the tickets were sold.
How many tickets were **not** sold?

.....

(Total for Question 8 is 2 marks)

---

9 Work out $120 - 89$

.....

(Total for Question 9 is 1 mark)

10 Write 38% as a decimal.

.....

(Total for Question 10 is 1 mark)

---

11 Here is a list of numbers.

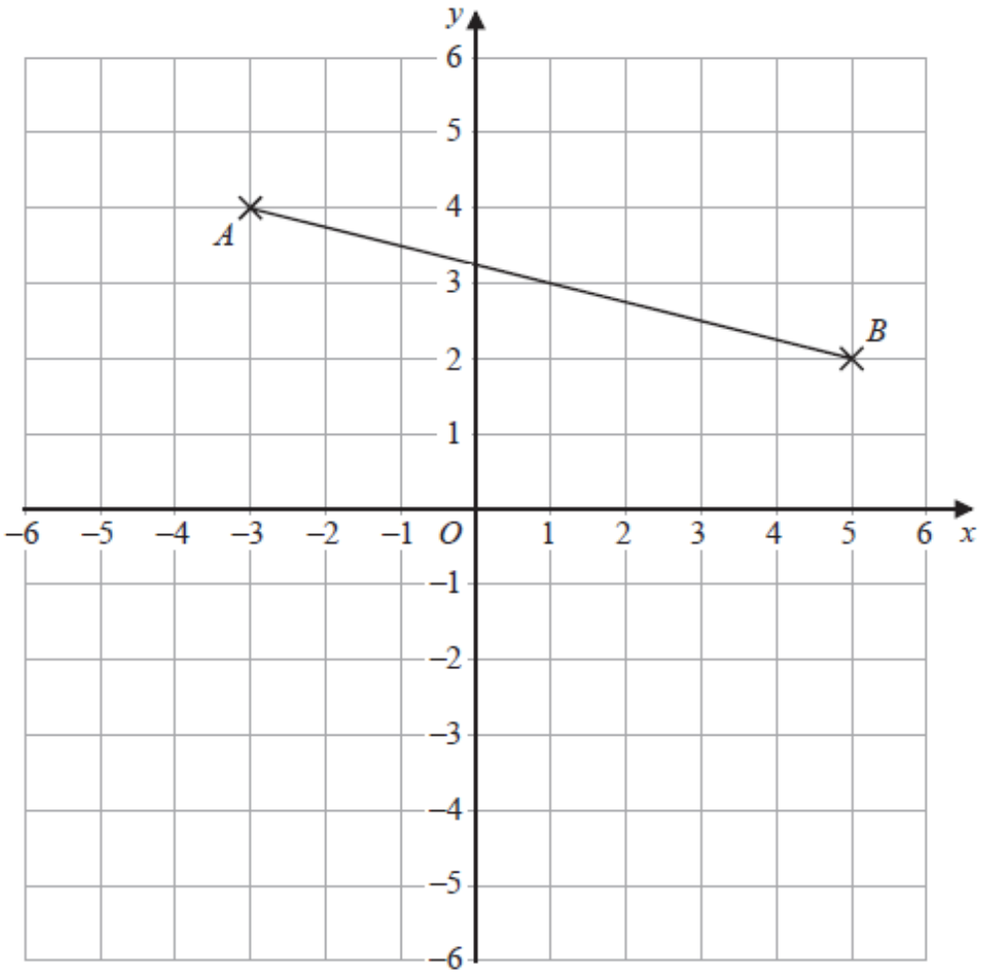
1.6 1.4 2.1 0.5 1.3

From the list, write down the smallest number.

.....

(Total for Question 11 is 1 mark)

12



(*a*) Write down the coordinates of point *B*.

(..... , ...) **(1)**

(*b*) Plot the point with coordinates (4, –2)
Label this point *C*.

(1)

(Total for Question 12 is 2 marks)

13 Last week, 73% of the tickets sold at a cinema were adult tickets.
What percentage of the tickets sold were **not** adult tickets?

.....%

(Total for Question 13 is 1 mark)

---

14 Work out – 9 + 5

.....

(Total for Question 14 is 1 mark)

---

15 Here are the ingredients needed to make 20 peanut butter cookies.

Makes 20 cookies
250 g peanut butter
200 g sugar
2 small eggs

Derek wants to make 60 cookies.
He has 900 g of peanut butter.
Does Derek have enough peanut butter to make 60 cookies?
You must show how you get your answer.

(Total for Question 15 is 3 marks)

16 Here is the list of ingredients for making 20 biscuits.

Ingredients for 20 biscuits
150 g butter
100 g sugar
250 g flour

Harry wants to make 60 biscuits.
How much flour does Harry need?

..... g

(Total for Question 16 is 2 marks)

---

17 $P = 2g + 4h$
Work out the value of P when $g = 3$ and $h = 5$

$P =$ .....

(Total for Question 17 is 2 marks)

TOTAL FOR PAPER IS 30 MARKS

WEEK 1 TASK 3

One Marker Starters

Includes Summer 2017 – Summer 2024 Exam Papers

(Unless otherwise stated)

Pearson

1 Simplify $5p - 3p + p$

2 Write 56.78 correct to 1 significant figure

3 Change 365 cm into metres

4 Solve $\frac{y}{4} = 10$

5 Write 35% as a fraction

6 Write 3758 correct to the nearest 1000

7 Work out $20 - 1 \times 10$

8 Write down the first even multiple of 7

9 Work out the value of 3^4

10 In the space below, draw a hexagon

WEEK 1 TASK 4

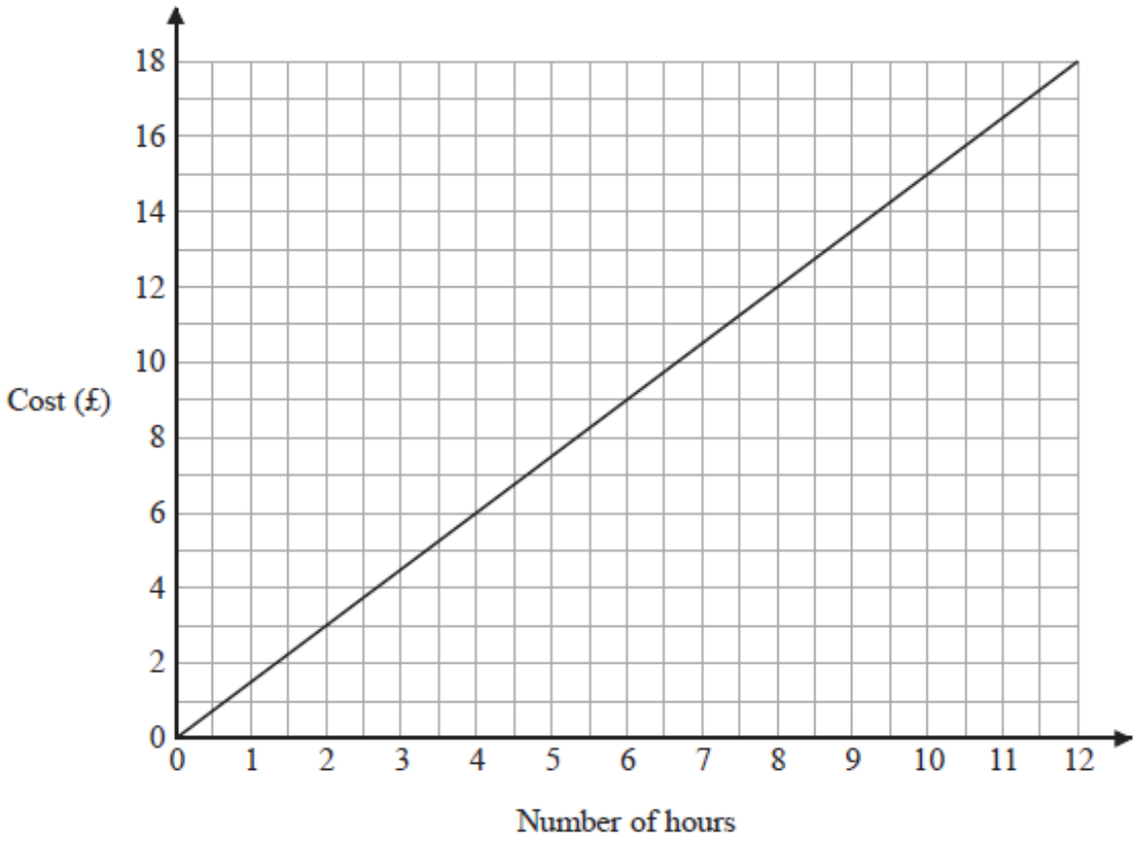
Estimated completion time = 30 minutes.

Answer all questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 This graph can be used to find the cost of parking a car in a car park for up to 12 hours.



Use the graph to find the cost of parking a car for 4 hours.

£.....

(Total for Question 1 is 1 mark)

2 Here are the first five terms of a sequence.

3 8 13 18 23

Write down the next term of this sequence.

.....

(Total for Question 2 is 1 mark)

3 Write down two factors of 18

..... , ...

(Total for Question 3 is 1 mark)

4 Curtis needs to buy some items for his sports club.
Here are the prices.

Item	Price
Footballs	£9.50 each
Hockey sticks	£30 for 2
Cricket bats	£23 each
Tennis balls	£5 for 4

Curtis needs to buy

5 footballs
6 hockey sticks
2 cricket bats
4 tennis balls.

Curtis has £200 to spend.
Show that Curtis can buy all the items he needs.

(Total for Question 4 is 4 marks)

---

5 Harris is buying a shirt and a tie.
He has a choice of three colours of shirt and a choice of three styles of tie.

Shirt	Tie
White (W)	Plain (P)
Blue (B)	Striped (S)
Grey (G)	Checked (C)

Harris is going to choose one shirt and one tie.
List all the possible combinations Harris can choose.

.....

.....

.....

(Total for Question 5 is 2 marks)

---

6 Simplify $3 \times 4t$

.....

(Total for Question 6 is 1 mark)

7 Write 0.9 as a fraction.

.....

(Total for Question 7 is 1 mark)

8 Lydia works for 4 hours.
She is paid £50
How much is Lydia paid per hour?

£.....

(Total for Question 8 is 2 marks)

9 Here is a list of numbers.

20 40 60 80 100

One of these numbers is a multiple of 25
Which number?

.....

(Total for Question 9 is 1 mark)

10 Work out 50% of 240

.....

(Total for Question 10 is 1 mark)

11 Work out $\dfrac{9.8+6.8}{4.2\times 2.1}$

Give your answer as a decimal.

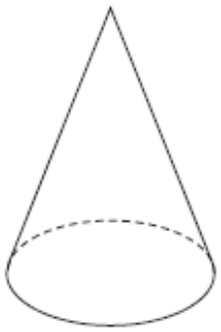
Write down all the figures on your calculator display.

.....

(Total for Question 11 is 2 marks)

---

12 Here is a 3-D shape.



Write down the name of this 3-D shape.

.....

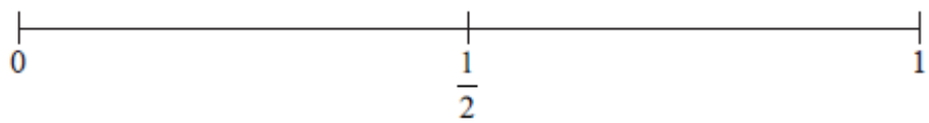
(Total for Question 12 is 1 mark)

---

13 Shari has a fair ordinary dice.

She rolls the dice once.

On the probability scale, mark with a cross (×) the probability that Shari gets an even number.



(Total for Question 13 is 1 mark)

---

14 Write 6184 correct to the nearest hundred.

.....

(Total for Question 14 is 1 mark)

---

15 Write 0.7 as a fraction.

.....

(Total for Question 15 is 1 mark)

---

16 A car travels at an average speed of 37 miles per hour for 3 hours.
Work out the distance that the car travels in the 3 hours.

..... miles

(Total for Question 16 is 2 marks)

17 Asha buys 180 cans of cola.
The cans are sold in packs.
There are 12 cans in each pack.
Each pack costs £3
Work out the total cost of the cola Asha buys.

£.....

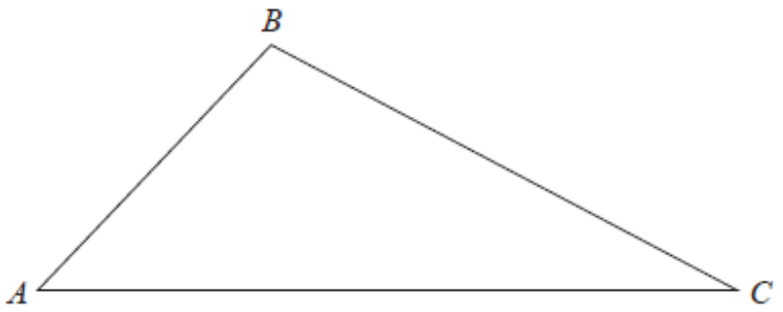
(Total for Question 16 is 3 marks)

18 There are 24 red counters and 40 blue counters in a bag.
Write down the ratio of the number of red counters to the number of blue counters in the bag.
Give your ratio in its simplest form.

.....

(Total for Question 18 is 2 marks)

19 Here is a triangle.



Measure the length of AC.

..... cm

(Total for Question 19 is 1 mark)

20 Rima is going to roll a fair 6-sided dice.

Choose the word that best describes the probability that the dice will land on an odd number.

impossible	unlikely	evens	likely	certain

.....

(Total for Question 20 is 1 mark)

TOTAL FOR PAPER IS 30 MARKS

WEEK 1 TASK 5

One Marker Starters

Includes Summer 2017 – Summer 2024 Exam Papers

(Unless otherwise stated)

Pearson

1 Write 0.6 as a percentage

2 Write brackets ( ) in this statement to make it correct

$7 \times 2 + 3 = 35$

3 Simplify $5 \times m \times y \times 6$

4 Work out the cube root of 64

5 Write 180 minutes in hours

6 Here are four digits:

5 6 1 9

Write down the largest possible two digit number that can be made with two of the digits

7 Find $\frac{1}{3}$ of 30

8 Write down the number that is exactly halfway between 7 and 15

9 Write in order of size.
Start with the smallest number

-7 7 0 -2 -1

10 Change 3 metres into cm

MARKSCHEMES

WEEK 1 TASK 1

One Marker Starters

Includes Summer 2017 – Summer 2024 Exam Papers

(Unless otherwise stated)

Pearson

1 Find the square root of 64

8

2 Write 7.26451 correct to 3 decimal places

7.265

3 Simplify $7 \times e \times f \times 8$

$56ef$

4 Write $\frac{4}{5}$ as a percentage

80%

5 Write 20% as a fraction

$\frac{20}{100}$

or equivalent

6 Here are four digits:

5 6 1 9

Write down the smallest possible two digit number that can be made with two of the digits

15

7 Work out 120 – 89

31

8 Write down a multiple of 6 that is between 40 and 50

42 or 48

9 Write in order of size. Start with the smallest number

0.078 0.78 0.87 0.708

0.078 0.708 0.78 0.87

10 Change 4560 g into kg

4.56 kg

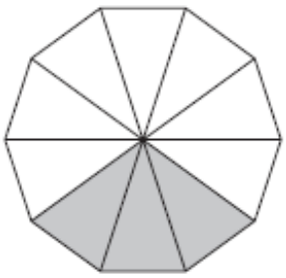
WEEK 1 TASK 2

Answer all questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 What fraction of this shape is shaded?



Or equivalent fraction (decimals or percentages not allowed)

$\frac{3}{10}$

(Total for Question 1 is 1 mark)

---

2 Write down **three** different factors of 20

2 marks for any three correct factors

1 mark for two correct factors and no more than one incorrect factor

any three from 1, 2, 4, 5, 10 or 20

(Total for Question 2 is 2 marks)

---

3 Miss Bailey asked 24 students where they each wanted to go on a school trip.

Here are the results.

museum	castle	castle	farm
farm	castle	farm	farm
castle	farm	castle	castle
castle	farm	castle	museum
museum	farm	castle	museum
museum	museum	castle	castle

(*a*) Complete the frequency table.

Place	Tally	Frequency
castle	𝍸 𝍸 |	11
farm	𝍸 ||	7
museum	𝍸 |	6

2 marks for any three correct totals

1 mark for two correct tallies or totals

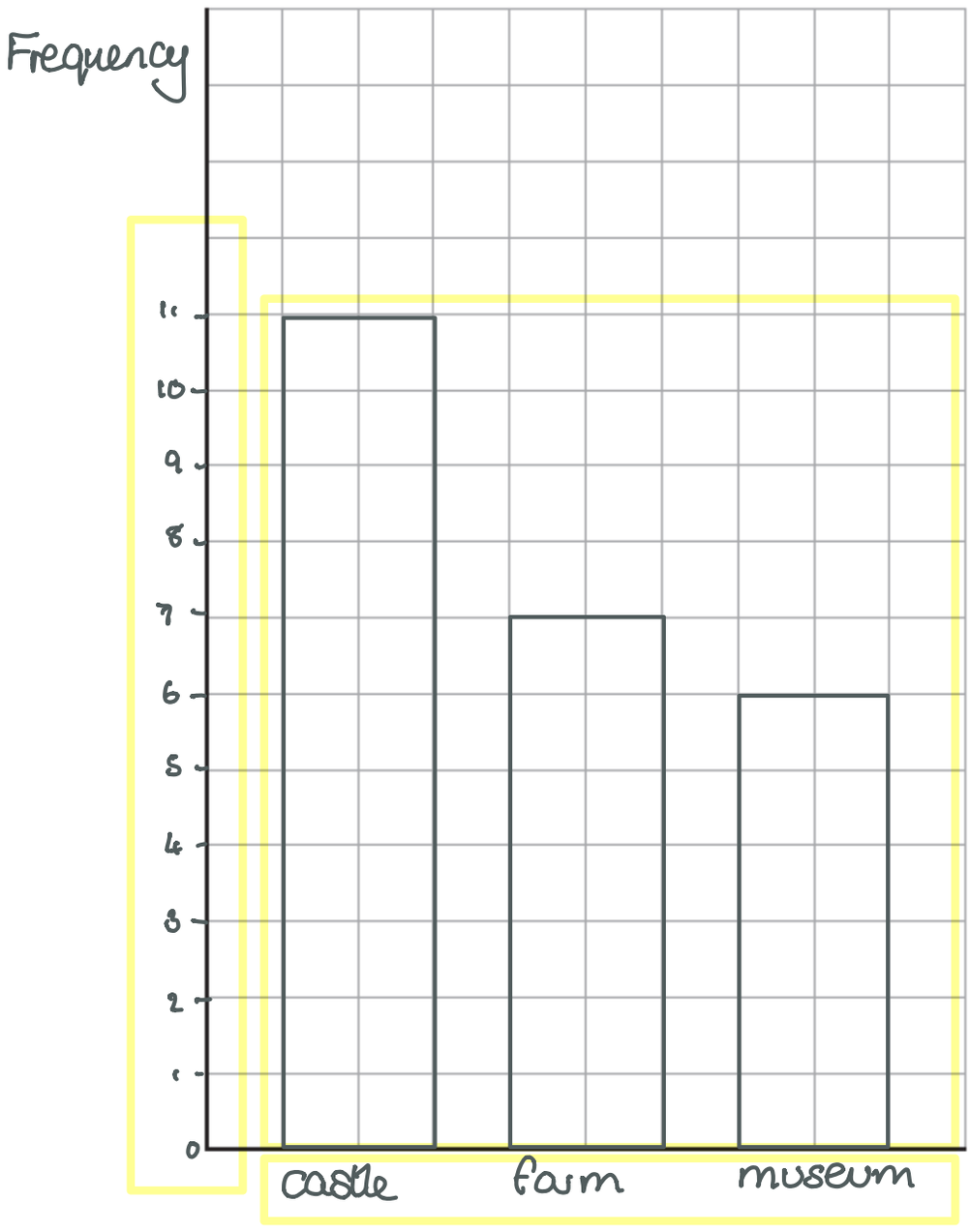
(2)

(*b*) Write down the place that is the mode.

castle

1 mark **(1)**

(*c*) Draw a bar chart to show the results.



1 mark for fully correct bar chart

Or 1 mark for correct scale or name labels

Or 1 mark for at least two correct bars

(3)

(Total for Question 3 is 6 marks)

---

4 Matt is drawing a scale diagram.
1 cm represents 5 m.
He draws a line 3 cm long.
What real distance does the line represent?

1 cm : 5 m x 3
3cm : 15m

15 1 mark

..... m

(Total for Question 4 is 1 mark)

5 Solve $p - 2 = 3$

$p + 2 + 3$

$p =$ 5 1 mark

(Total for Question 5 is 1 mark)

---

6 Simplify $3 \times a \times 4$

$3 \times 4 \times a$

12a 1 mark

(Total for Question 6 is 1 mark)

---

7 Selina has a bag of 22 counters.
5 of the counters are blue.
9 of the counters are red.
8 of the counters are pink.
Selina takes at random a counter from the bag.

Write down the probability that Selina

(i) takes a red counter,

$\frac{9}{22}$ 1 mark **(1)**

(ii) takes a white counter.

0 1 mark **(1)**

(Total for Question 7 is 2 marks)

---

8 A total of 700 tickets were on sale for a football match.
452 of the tickets were sold.
How many tickets were **not** sold?

$700 - 452$ 1 mark

248 Final mark

(Total for Question 8 is 2 marks)

---

9 Work out $120 - 89$

31 1 mark

(Total for Question 9 is 1 mark)

10 Write 38% as a decimal.

0·38 1 mark

.....

(Total for Question 10 is 1 mark)

---

11 Here is a list of numbers.

1.6 1.4 2.1 0.5 1.3

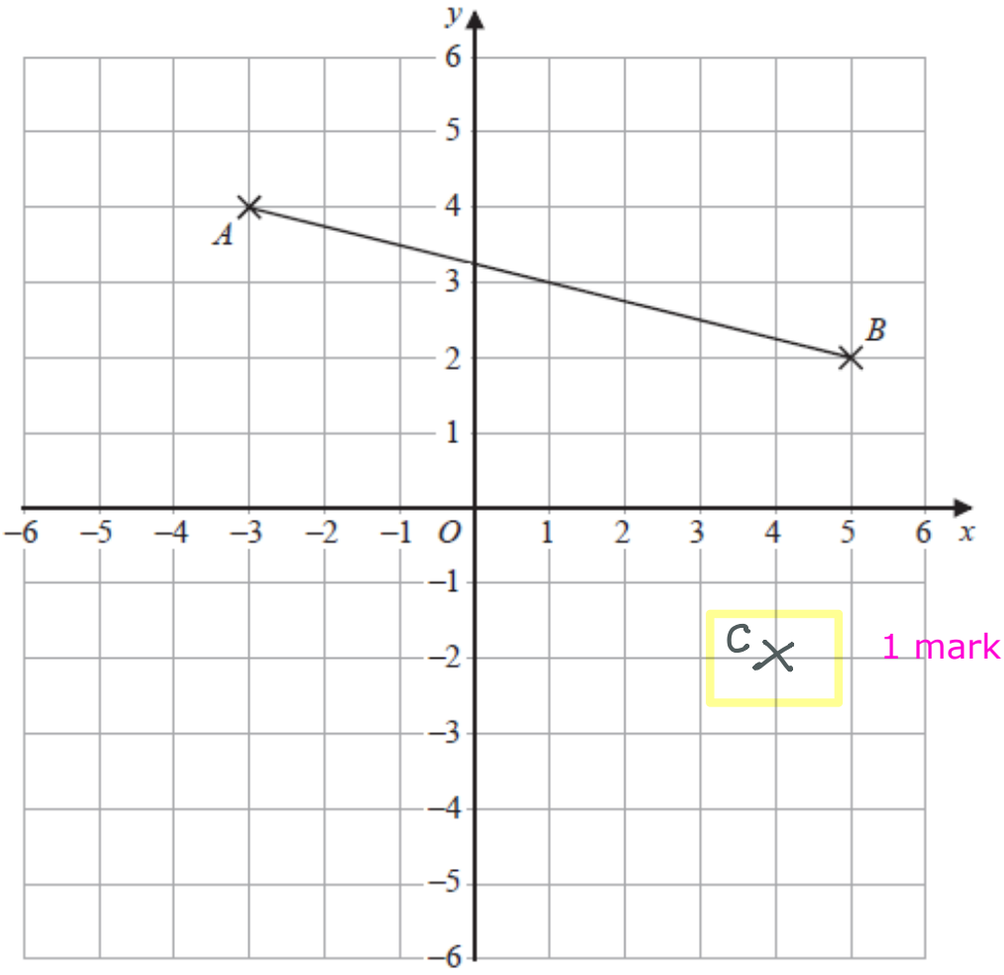
From the list, write down the smallest number.

0·5 1 mark

.....

(Total for Question 11 is 1 mark)

12



1 mark

(*a*) Write down the coordinates of point *B*.

(5 , 2) **(1)**

(*b*) Plot the point with coordinates (4, –2)
Label this point *C*.

(1)

(Total for Question 12 is 2 marks)

13 Last week, 73% of the tickets sold at a cinema were adult tickets.
What percentage of the tickets sold were **not** adult tickets?

100 - 73

27 1 mark

..... %

(Total for Question 13 is 1 mark)

---

14 Work out – 9 + 5

-4 1 mark

.....

(Total for Question 14 is 1 mark)

---

15 Here are the ingredients needed to make 20 peanut butter cookies.

Makes 20 cookies
250 g peanut butter
200 g sugar
2 small eggs

Derek wants to make 60 cookies.
He has 900 g of peanut butter.
Does Derek have enough peanut butter to make 60 cookies?
You must show how you get your answer.

1 mark

250g ×3 = 20 cookies ×3

750g = 60 cookies

1 mark

60 ÷ 20 = 3

Yes he has enough peanut butter 750g < 900g

Final mark
Must be supported by correct working

(Total for Question 15 is 3 marks)

16 Here is the list of ingredients for making 20 biscuits.

Ingredients for 20 biscuits
150 g butter 100 g sugar 250 g flour

Harry wants to make 60 biscuits.
How much flour does Harry need?

1 mark

250 g : 20 biscuits
×3 ↓ ×3
750 g : 60 biscuits

60 ÷ 20 = 3

750 Final mark

..... g

(Total for Question 16 is 2 marks)

---

17 $P = 2g + 4h$
Work out the value of P when $g = 3$ and $h = 5$

$P = 2 \times 3 + 4 \times 5$ 1 mark
$= 6 + 20$

$P =$ 26 Final mark

(Total for Question 17 is 2 marks)

TOTAL FOR PAPER IS 30 MARKS

WEEK 1 TASK 3

One Marker Starters

Includes Summer 2017 – Summer 2024 Exam Papers

(Unless otherwise stated)

Pearson

1 Simplify $5p - 3p + p$

$3p$

2 Write 56.78 correct to 1 significant figure

60

3 Change 365 cm into metres

3.65 metres

4 Solve $\frac{y}{4} = 10$

$y = 40$

5 Write 35% as a fraction

$\frac{35}{100}$

or equivalent

6 Write 3758 correct to the nearest 1000

4000

7 Work out $20 - 1 \times 10$

10

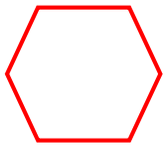
8 Write down the first even multiple of 7

14

9 Work out the value of 3^4

81

10 In the space below, draw a hexagon



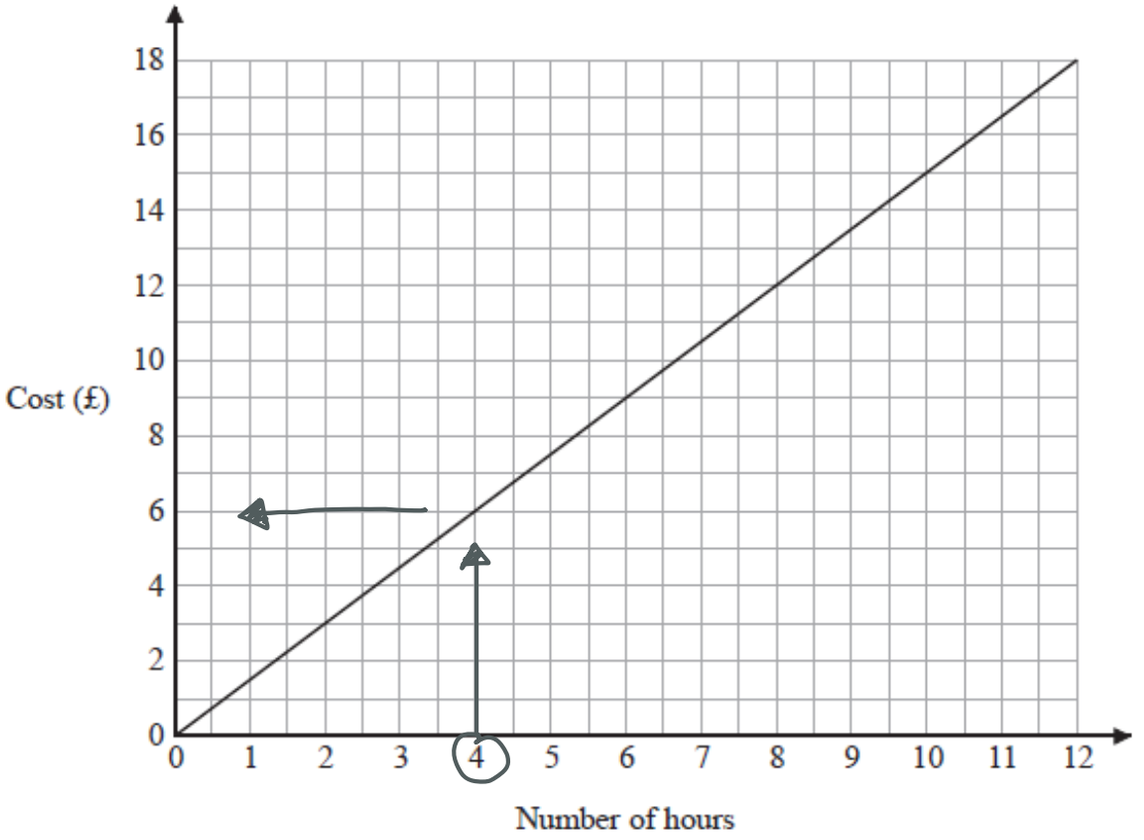
WEEK 1 TASK 4

Answer all questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 This graph can be used to find the cost of parking a car in a car park for up to 12 hours.



Use the graph to find the cost of parking a car for 4 hours.

£ 6 1 mark

(Total for Question 1 is 1 mark)

---

2 Here are the first five terms of a sequence.

3 8 13 18 23 23 + 5 = 28

Write down the next term of this sequence.

28 1 mark

(Total for Question 2 is 1 mark)

---

3 Write down two factors of 18

1 mark any two from 1, 2, 3, 6 or 18

(Total for Question 3 is 1 mark)

4 Curtis needs to buy some items for his sports club.
Here are the prices.

Item	Price	
Footballs	£9.50 each	x 5 = 47·50
Hockey sticks	£30 for 2	x 3 = 90
Cricket bats	£23 each	x 2 = 46
Tennis balls	£5 for 4	x 1 = 5

1 mark for one of these OR 2 marks for all three calculations

Curtis needs to buy

5 footballs
6 hockey sticks
2 cricket bats
4 tennis balls.

Curtis has £200 to spend.
Show that Curtis can buy all the items he needs.

1 mark

47·50 + 90 + 46 + 5 = 188·50

200 - 188·50 = £11·50 LEFT

Final mark for either of these

(Total for Question 4 is 4 marks)

---

5 Harris is buying a shirt and a tie.
He has a choice of three colours of shirt and a choice of three styles of tie.

Shirt	Tie
White (W)	Plain (P)
Blue (B)	Striped (S)
Grey (G)	Checked (C)

Harris is going to choose one shirt and one tie.
List all the possible combinations Harris can choose.

2 marks for all correct combinations with no repeats
1 mark for at least four correct

WP, WS, WC
BP, BS, BC
GP, GS, GC

(Total for Question 5 is 2 marks)

---

6 Simplify $3 \times 4t$

12t 1 mark

.....

(Total for Question 6 is 1 mark)

---

7 Write 0.9 as a fraction.

1 mark $\frac{9}{10}$

.....

(Total for Question 7 is 1 mark)

---

8 Lydia works for 4 hours.
She is paid £50
How much is Lydia paid per hour?

1 mark 50 ÷ 4 = 12.50

Final mark

£ 12.50

(Total for Question 8 is 2 marks)

---

9 Here is a list of numbers.

20 40 60 80 100

One of these numbers is a multiple of 25
Which number?

1 mark 100

.....

(Total for Question 9 is 1 mark)

---

10 Work out 50% of 240

240 ÷ 2 = 120

1 mark 120

.....

(Total for Question 10 is 1 mark)

---

11 Work out $\dfrac{9.8+6.8}{4.2\times 2.1}$

Give your answer as a decimal.

Write down all the figures on your calculator display.

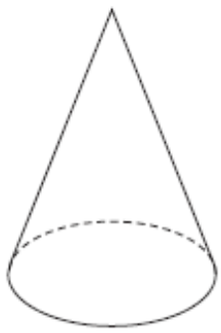
16·2 / 8·82 1 mark

Final mark 1·882086168

(Total for Question 11 is 2 marks)

---

12 Here is a 3-D shape.



Write down the name of this 3-D shape.

cone 1 mark

(Total for Question 12 is 1 mark)

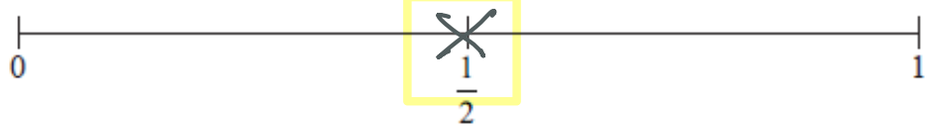
---

13 Shari has a fair ordinary dice.

She rolls the dice once.

On the probability scale, mark with a cross (×) the probability that Shari gets an even number.

1 mark



(Total for Question 13 is 1 mark)

---

14 Write 6184 correct to the nearest hundred.

6100 ↑ 6200

1 mark 6200

(Total for Question 14 is 1 mark)

---

15 Write 0.7 as a fraction.

1 mark 7/10

(Total for Question 15 is 1 mark)

---

16 A car travels at an average speed of 37 miles per hour for 3 hours.
Work out the distance that the car travels in the 3 hours.

1 mark 37 miles = 1 hour
x 3 ×3
= 111 miles 3 hours

Final mark 111 ..... miles

(Total for Question 16 is 2 marks)

---

17 Asha buys 180 cans of cola.
The cans are sold in packs.
There are 12 cans in each pack.
Each pack costs £3
Work out the total cost of the cola Asha buys.

1 mark 180 ÷ 12 = 15

1 mark 15 x £3 = 45

£45 Final mark
£.....

(Total for Question 16 is 3 marks)

18 There are 24 red counters and 40 blue counters in a bag.
Write down the ratio of the number of red counters to the number of blue counters in the bag.
Give your ratio in its simplest form.

R : B
24 : 40
12 : 20
6 : 10
3 : 5

1 mark for any of these

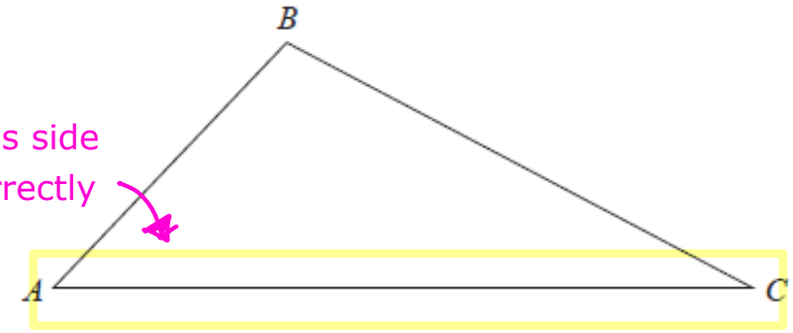
3:5 Final mark

.....

(Total for Question 18 is 2 marks)

---

19 Here is a triangle.



1 mark for this side measured correctly

This will depend on your printer settings.

Measure the length of AC.

9.8 cm

(Total for Question 19 is 1 mark)

---

20 Rima is going to roll a fair 6-sided dice.

Choose the word that best describes the probability that the dice will land on an odd number.

impossible	unlikely	evens	likely	certain

evens 1 mark

.....

(Total for Question 20 is 1 mark)

TOTAL FOR PAPER IS 30 MARKS

WEEK 1 TASK 5

One Marker Starters

Includes Summer 2017 – Summer 2024 Exam Papers

(Unless otherwise stated)

Pearson

1

Write 0.6 as a percentage

60%

2

Write brackets ( ) in this statement to make it correct.

$7 \times 2 + 3 = 35$

$7 \times (2 + 3) = 35$

3

Simplify $5 \times m \times y \times 6$

$30my$

4

Work out the cube root of 64

4

5

Write 180 minutes in hours

3 hours

6

Here are four digits:

5 6 1 9

Write down the largest possible two digit number that can be made with two of the digits.

96

7

Find $\frac{1}{3}$ of 30

10

8

Write down the number that is exactly halfway between 7 and 15

11

9

Write in order of size.
Start with the
smallest number

-7 7 0 -2 -1

-7 -2 -1 0 7

10

Change 3 metres into cm

300 cm