

Get back on track

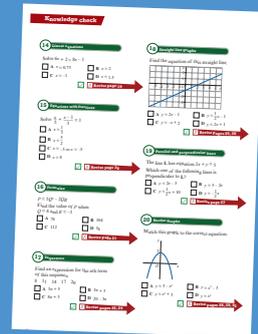
The COVID-19 pandemic has been disruptive for students of all ages around the world. And if you're preparing for your GCSEs then it's especially important that you catch up on any work you've missed. This pack is designed to help you revise and practise any topics you might need a reminder on, and stay on track for success in your Pearson Edexcel Mathematics GCSE course.

Time for a check-up

Take the **Knowledge check** diagnostic self-test to help you identify which topics and skills you need to recap. The questions in this test focus on key skills and core knowledge that you will need to know to succeed in the rest of your GCSE course, and in your exams.

You can mark your own work using the **answers** on the back cover (page 20) of this booklet. If you struggle with any of the questions, just add the Revision Guide page numbers for that question to your custom catch-up plan on page 15. Then you can revise and practise that topic and build your confidence.

Pages 4–14



Make a plan

Create your own custom **Catch-up plan** by entering the page numbers you need to revise in the table on page 15. You can use the tick boxes to track your progress, and there is space on pages 16 and 17 to add any extra notes from your teacher or tutor.

Pages 15–17

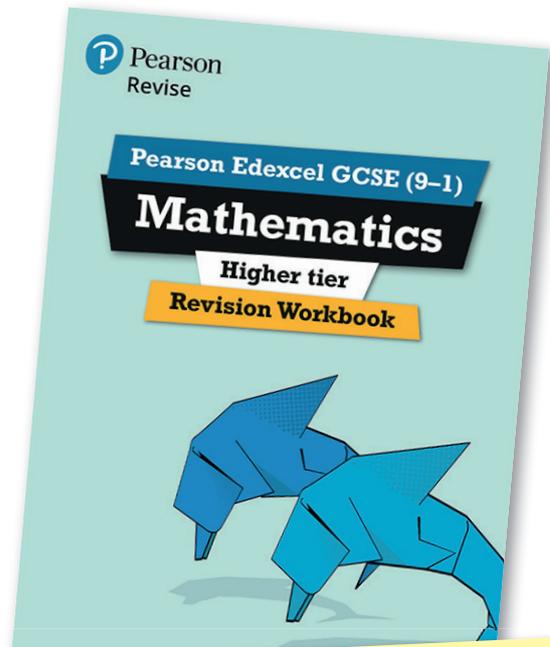
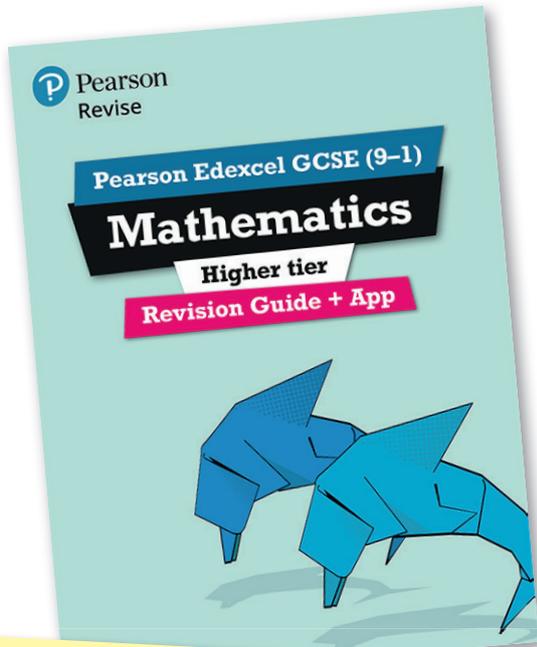
Page	Had a go	Nearly there	Nailed it!
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Stress-free studying

Here are a few top tips from our experts to stay healthy and sane when things get busy!

- Set yourself simple targets, like reviewing a couple of pages of the Revision Guide in a 20-minute study session.
- Phone a friend! If you're struggling with a topic, ask one of your friends if they've figured it out and can explain it to you.
- Find a quiet space at home or at school – use headphones if it helps you to concentrate.
- Put your phone on silent, and try not to get distracted by TV or the internet.
- Drink plenty of water, get plenty of sleep, take breaks and stay active!

Once you have identified your target topics and created your catch-up plan, it's time to break open the books and get revising. The Revision Guide and Revision Workbook in your pack have matching page numbers to help you find your way around quickly and easily.



Your **Revision Guide** is packed with essential facts, key skills and worked examples to help you stay ahead of the game. Each page covers a single topic so you can stay organised, and the book covers your **whole course**, so once you're back up to speed you will be able to use it alongside your school work, and to revise for your exams.

Check that you have nailed each topic by practising some exam-style questions on the corresponding page in the **Revision Workbook**. There are **guided questions** which give you part of the working, and hints and tips to help you get started. And when the exams are a bit closer, you can use the **exam-style practice papers** to check that you are exam-ready.

Find your catch-up topics

If you know which units or topics you want to revise, you can use the **Matching chart** to find the corresponding Revision Guide and Workbook pages. Your teacher or tutor might be able to tell you which units or topics you missed, or you might recognise them from the work you did at home during lockdown.

Tick the units or topics you want to revise, then add those page numbers to your catch-up plan on page 15.

Pages 18–19

Matching chart

Use this chart to find the pages you want to revise. Tick the units and topics you want to revise, and the corresponding pages in the Revision Guide and Workbook.

Unit/Topic	Revision Guide page	Workbook page	Answer
Unit 1: Number			
Integers, fractions and decimals	18, 19		<input type="checkbox"/>
Percentages, rounding and ordering	20, 21		<input type="checkbox"/>
Indices, powers and standard form	22, 23		<input type="checkbox"/>
Area, volume and perimeter	24, 25		<input type="checkbox"/>
Unit 2: Algebra			
Number, sequences and indices	26, 27, 28, 29		<input type="checkbox"/>
Algebraic expressions and solving equations	30, 31, 32		<input type="checkbox"/>
Graphs	33, 34		<input type="checkbox"/>
Unit 3: Geometry and trigonometry			
Angles and area	35, 36, 37		<input type="checkbox"/>
Similar figures and similar solids	38, 39		<input type="checkbox"/>
Unit 4: Statistics, probability and graphs			
Statistics	40, 41, 42		<input type="checkbox"/>
Probability	43, 44		<input type="checkbox"/>
Unit 5: Ratio and Proportion			
Proportion, ratio and similar figures	45, 46, 47		<input type="checkbox"/>
Unit 6: Groups			
Number, sequences and indices	48, 49		<input type="checkbox"/>
Algebraic expressions and solving equations	50, 51, 52		<input type="checkbox"/>
Graphs	53, 54, 55		<input type="checkbox"/>
Unit 7: Area and Volume			
Area and volume	56, 57, 58		<input type="checkbox"/>
Similar figures and similar solids	59, 60, 61, 62		<input type="checkbox"/>
Area and volume, similar figures and similar solids	63, 64, 65, 66		<input type="checkbox"/>
Area and volume	67, 68		<input type="checkbox"/>

Knowledge check

You can use the diagnostic self-test on the next 11 pages to help you create your own customised catch-up plan. Each question checks a different key skill or piece of core knowledge from your GCSE course. If you feel that you need more help with that topic or skill, add the page numbers shown in the arrows to your catch-up plan.

A bit at a time

There are 70 questions in this knowledge check. Have a go at them in chunks. When you have done a batch of 10 or 20 questions, check your answers on the back cover (page 20) of this booklet. Then take a break or come back and try some more in another study session!

Number

1 Factors and primes

Express 600 as a product of its prime factors.

- A $2^2 \times 5^2 \times 6$ B $2^3 \times 3^2 \times 5^3$
 C $2^3 \times 3 \times 5^2$ D $2 \times 3 \times 10^2$



Revise page 1

4 Mixed numbers

Work out $1\frac{7}{8} \times 3\frac{2}{5}$

- A $6\frac{3}{8}$ B $4\frac{9}{13}$
 C $3\frac{7}{20}$ D $5\frac{1}{8}$



Revise page 5

2 Indices

Write $\frac{7^{10} \times 7^3}{7}$ as a single power of 7.

- A 7^{29} B 7^{12}
 C 7^{23} D 7^{-13}



Revise pages 2, 3

5 Standard form

Write 736 000 in standard form.

- A 7.36×10^3 B 736×10^3
 C 7.36×10^5 D 7.36×10^{-6}



Revise page 8

3 Rounding

Round 0.0473508 to 3 significant figures.

- A 0.047 B 0.0473
 C 0.0474 D 0.05



Revise page 4

6 Recurring decimals

Write the recurring decimal $0.0\dot{5}$ as a fraction.

Do not use a calculator.

- A $\frac{5}{9}$ B $\frac{1}{18}$
 C $\frac{1}{20}$ D $\frac{5}{99}$



Revise pages 6, 9

7 Upper and lower bounds

The length of a carrot is 20 cm, rounded to the nearest cm.

What is the upper bound for this length?

- A 20.5 cm B 20.49 cm
 C 25 cm D 19.5 cm

Revise pages 10, 11

8 Surds

Write $\frac{3}{1-\sqrt{2}}$ in the form $a + b\sqrt{2}$,

where a and b are integers.

Do not use a calculator.

- A $3 + 3\sqrt{2}$ B $3 - 3\sqrt{2}$
 C $3 - \frac{1}{3}\sqrt{2}$ D $-3 - 3\sqrt{2}$

Revise pages 12, 49

9 Counting

This combination lock uses two letters from A to Z and two digits from 0 to 9.

C X 0 5

Work out the total number of possible combinations.

- A 67 600 B 72
 C 6760 D 260

Revise page 13

Algebra

10 Algebraic indices

Simplify $(x^2y)^3$

- A x^2y^3 B x^5y^3
 C xy^6 D x^6y^3

Revise page 16

12 Double bracket

Expand and simplify $(2x + 3)^2$

- A $4x^2 + 9$ B $2x^2 + 6x + 9$
 C $4x^2 + 12x + 9$ D $4x^2 + 6x + 9$

Revise page 17

11 Expanding brackets

Expand and simplify

$$3(4a + b) - 2(a - 2b)$$

- A $10a - b$ B $10a + 7b$
 C $9a + 7b$ D $5a + b$

Revise page 17

13 Factorising

Factorise $x^2 - 4x - 12$

- A $4x(x - 3)$ B $(x - 4)(x + 3)$
 C $(x - 6)(x + 2)$ D $(x - 4)^2$

Revise page 18

Knowledge check

14 Linear equations

Solve $6x + 2 = 8x - 1$

- A $x = 0.75$ B $x = 2$
 C $x = -1$ D $x = 1.5$

Revise page 19

15 Equations with fractions

Solve $\frac{x}{5} + \frac{x-1}{3} = 1$

- A $x = \frac{1}{3}$
 B $x = \frac{5}{2}$
 C $x = -3$ or $x = -5$
 D $x = 8$

Revise page 20

16 Formulae

$$P = 5Q^2 - 2QR$$

Find the value of P when
 $Q = 4$ and $R = -3$

- A 76 B 104
 C 112 D 56

Revise page 21

17 Sequences

Find an expression for the n th term of this sequence.

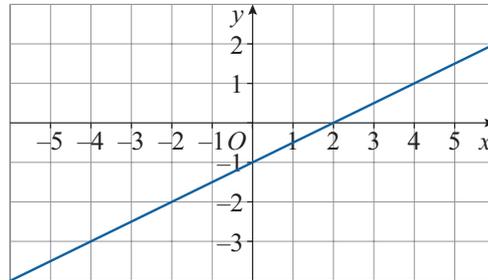
8 11 14 17 20

- A $3n + 5$ B $5n + 3$
 C $8n + 3$ D $20 - 3n$

Revise pages 22, 24

18 Straight line graphs

Find the equation of this straight line.



- A $y = 2x - 1$ B $y = \frac{1}{2}x - 1$
 C $y = -x + 2$ D $y = 2x + 1$

Revise pages 25, 26

19 Parallel and perpendicular lines

The line L has equation $2x + y = 5$

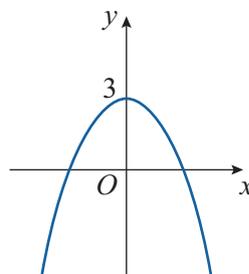
Which one of the following lines is perpendicular to L ?

- A $y = 2x - 5$ B $y = 5 - 2x$
 C $y = \frac{1}{2}x + 10$ D $y = -\frac{1}{2}x$

Revise page 27

20 Harder graphs

Match this graph to the correct equation.

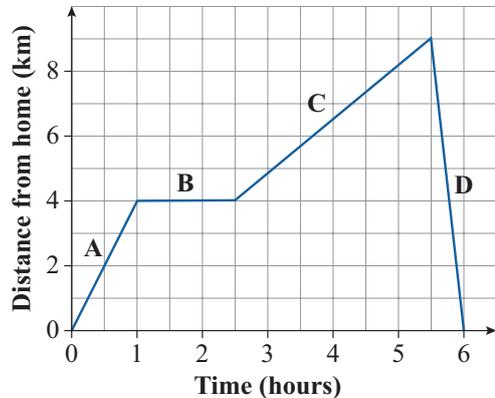


- A $y = 3 - x^2$ B $y = x^2 - 3$
 C $y = x^2 + 3$ D $y = x^3$

Revise pages 28, 29, 43

21 Distance–time graphs

The distance–time graph shows a hike.



During which section was the hiker stationary?

- A B C D

Revise page 30

22 Quadratic equations

Solve the equation $x^2 - 10x + 16 = 0$

- A $x = 1.6$ B $x = -4$
 C $x = 8$ or $x = 2$ D $x = -8$ or $x = -2$

Revise pages 31, 32

23 Completing the square

Write $x^2 + 6x - 1$ in the form $(x + p)^2 + q$ where p and q are integers.

- A $(x + 3)^2 - 9$ B $(x + 6)^2 - 37$
 C $(x + 6)^2 - 8$ D $(x + 3)^2 - 10$

Revise page 33

24 Simultaneous equations

Solve the simultaneous equations

$$5x + 6y = 5$$

$$x - 2y = 9$$

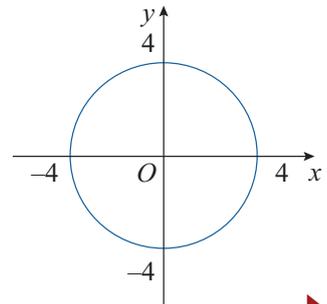
- A $x = -3, y = 1.5$ B $x = 4, y = -2.5$
 C $x = 2.5, y = 5$ D $x = -3, y = -1.5$

Revise pages 34, 35

25 Equation of a circle

What is the equation of this circle?

- A $x^2 + y^2 = 4$
 B $x + y = 4$
 C $x + y = 16$
 D $x^2 + y^2 = 16$



Revise page 36

26 Inequalities

Solve the inequality $3x + 1 < x - 5$

- A $x > 3$ B $x > -3$
 C $x < -2$ D $x < -3$

Revise pages 37, 38

27 Trigonometric graphs

How many solutions does the equation $4 \sin x + 3 = 2$ have in the range 0° to 180° ?

- A 0 B 1
 C 2 D 4

Revise page 39

28 Transforming graphs

The graph with equation $y = f(x)$ is translated by vector $\begin{pmatrix} -1 \\ 5 \end{pmatrix}$

Which of the following is the equation of the translated graph?

- A $y = -f(x) + 5$
 B $y = f(x+1) + 5$
 C $y = f(x-1) + 5$
 D $y = f(x-1) - 5$

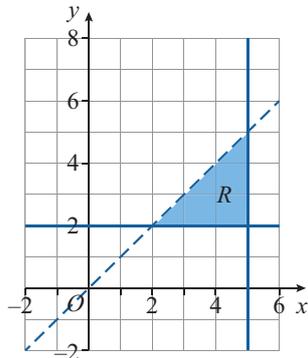
Revise page 40

Knowledge check

29 Regions on graphs

Write down the set of inequalities that defines the shaded region R .

- A $x \leq 5, y \geq 2, x > y$
 B $y \geq 2, x \leq 5, x < y$
 C $y > 2, x < 5, x \leq y$
 D $y \geq 5, x \leq 2, x < y$



Revise page 41

30 Iteration

Use the iterative formula $x_{n+1} = \sqrt{x_n^2 - 1}$ with $x_0 = 3$ to work out x_2 .

Round your answer to 3 decimal places.

- A 2.65 B 2.83
 C 2.45 D 1.41

Revise page 45

31 Rearranging formulae

$$M = 6R - 20$$

Rearrange the formula to make R the subject.

- A $R = \frac{M+20}{6}$ B $R = 6M + 20$
 C $R = \frac{M}{6} + 20$ D $R = \frac{1}{6}(M - 20)$

Revise page 46

32 Fractions and quadratic equations

Solve the equation $\frac{2}{1+x} + \frac{4}{x} = 5$

- A $x = 6$ B $x = -0.8$ or $x = 1$
 C $x = -4$ or $x = 1$ D $x = 0.8$ or $x = -1$

Revise pages 47, 48

33 Functions

$$f(x) = (2x - 3)^2$$

Find $f(-1)$

- A -25 B 1
 C -11 D 25

Revise pages 50, 51

34 Proof

n is an integer.

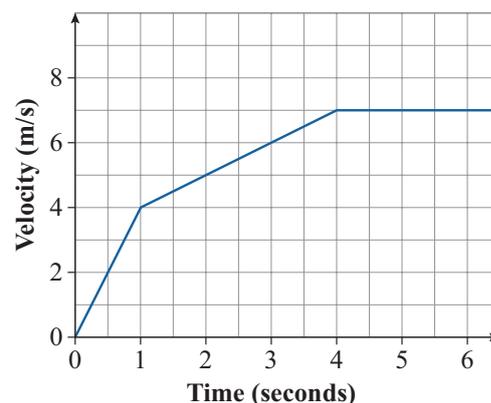
Which of the following is an even number?

- A $(n+1)(n-1)$
 B $2n-1$
 C $(n+1)^2$
 D $(n+1) + (n-1)$

Revise page 52

35 Velocity-time graphs

The velocity-time graph shows the velocity of a runner.



How far did the runner travel in the first 5 seconds of the race?

- A 8 m B 13.5 m
 C 25.5 m D 51 m

Revise pages 55, 56

Ratio and proportion

36 Percentages

Work out 15% of £900

- A £145 B £1035
 C £135 D £180

Revise page 59 →

37 Ratio

The ratio of juice to water in a drink is 3:2
The total amount of drink is 600 ml.

How much juice is in the drink?

- A 200 ml B 360 ml
 C 400 ml D 450 ml

Revise pages 60, 61 →

38 Percentage change

In a sale, prices are reduced by 20%.
The sale price of a phone is £144.

Work out its original price.

- A £180 B £172.80
 C £192 D £115.20

Revise pages 62, 63 →

39 Exponential growth

Alison invests £800 in a savings account,
which pays 2.5% compound interest.

Work out the amount Alison has in her
account after 4 years.

Give your answer to the nearest pound.

- A £883 B £861
 C £1953 D £880

Revise page 64 →

40 Speed

A cyclist travels 84 km at an average
speed of 15 km/h.

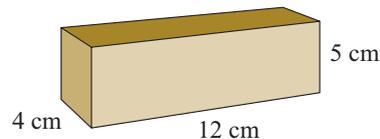
Work out the total time taken.

- A 4.5 hours
 B 0.18 hours
 C 1260 hours
 D 5.6 hours

Revise page 65 →

41 Compound measures

The diagram shows a solid brass cuboid.



The density of brass is 8.6 g/cm^3 .

Work out the mass of the cuboid.

- A 498 g B 27.9 g
 C 2064 g D 14.3 kg

Revise pages 66, 67, 82 →

42 Proportionality

y is inversely proportional to x

When $x = 40$, $y = 9$.

Work out the value of x when $y = 24$.

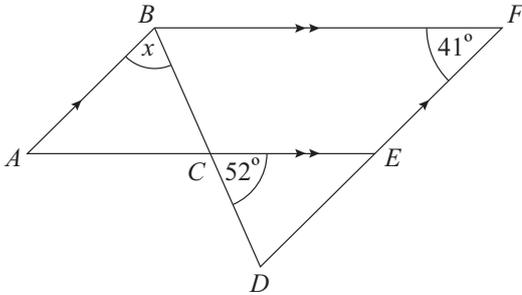
- A 106.7 B 15
 C 20 D 12

Revise pages 68, 69, 70 →

Geometry and measures

43 Angle properties

Work out the size of the angle marked x .

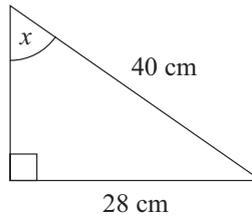


- A 52° B 9°
 C 87° D 93°

Revise pages 73, 74

46 Trigonometry

Work out the size of the angle marked x in this right-angled triangle, to the nearest degree.



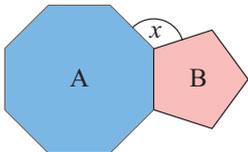
- A 55° B 35°
 C 46° D 44°

Revise pages 77, 79

44 Angles in polygons

A is a regular octagon and B is a regular pentagon.

Work out the size of the angle marked x .

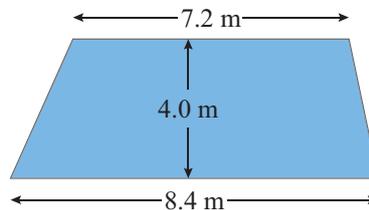


- A 117° B 135°
 C 108° D 243°

Revise page 75

47 Perimeter and area

Work out the area of this trapezium.

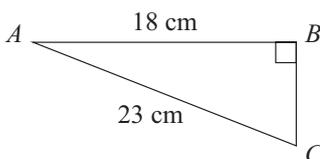


- A 33.6 m^2 B 62.4 m^2
 C 31.2 m^2 D 37.2 m^2

Revise page 80

45 Pythagoras' theorem

Work out the length of BC in this right-angled triangle, correct to 1 decimal place.



- A 5.0 cm B 14.3 cm
 C 29.2 cm D 205.0 cm

Revise page 76

48 Units of area and volume

Convert 280 cm^2 into m^2 .

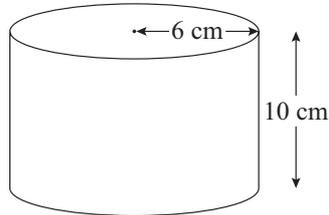
- A 2.8 m^2
 B 0.28 m^2
 C $28\,000 \text{ m}^2$
 D 0.028 m^2

Revise page 81

49 Cylinders

Work out the volume of this cylinder, to the nearest cm^3 .

- A 377 cm^3
- B 1131 cm^3
- C 360 cm^3
- D 1885 cm^3

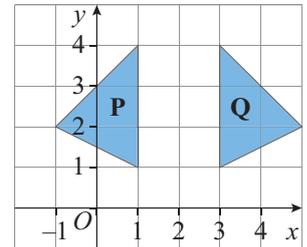


Revise page 83

52 Transformations

Describe fully the single transformation that maps triangle **P** onto triangle **Q**.

- A Reflection
- B Rotation
- C Rotation 180° about $(2, 2.5)$
- D Reflection in the line $x = 2$



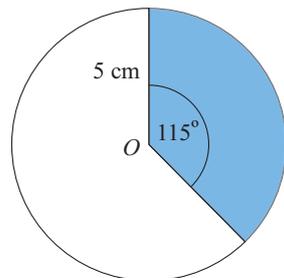
Revise pages 88, 90

50 Sectors of circles

The diagram shows a circle with centre O and radius 5 cm .

Work out the area of the shaded sector to 3 significant figures.

- A 26.2 cm^2
- B 7.98 cm^2
- C 25.1 cm^2
- D 627 cm^2



Revise page 84

53 Bearings

The bearing of point P from point Q is 208° .

Find the bearing of point Q from point P .

- A 018°
- B 28°
- C 028°
- D 388°

Revise pages 91, 92

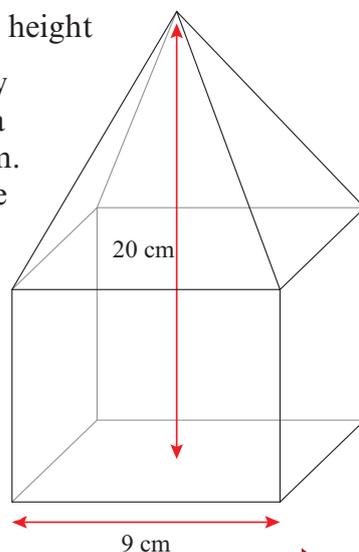
51 3D solids

Volume of a pyramid = $\frac{1}{3} \times \text{base area} \times \text{vertical height}$

A 3D solid is formed by attaching a pyramid to a cube of side length 9 cm . The height of the whole solid is 20 cm .

Work out the volume of the solid.

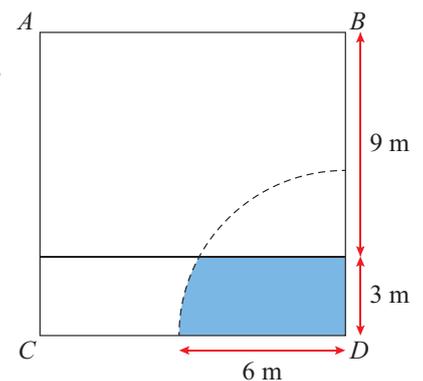
- A 540 cm^3
- B 1026 cm^3
- C 1269 cm^3
- D 1620 cm^3



Revise pages 85, 87

54 Loci and constructions

Which of the following describes the points in the shaded region?



- A Closer to D than A and at least 9 m from AB
- B Less than 3 m from CD and less than 6 m from D
- C At least 9 m from AB and less than 6 m from D
- D Less than or equal to 6 m from D and less than 3 m from CD

Revise pages 93, 95

Knowledge check

55 Congruency

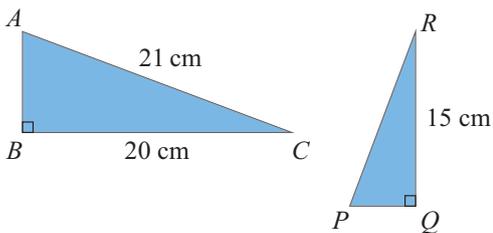
Which of the following is **not** a condition of congruency for triangles?

- A All three angles equal
- B Two sides and the included angle equal
- C All three sides equal
- D Right-angle with hypotenuse and one other side equal

Revise page 96

56 Similar shapes

The diagram shows two similar triangles.



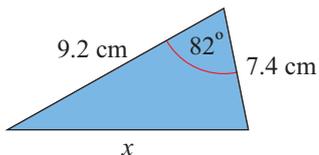
Find the length of side PR .

- A 18 cm
- B 14.3 cm
- C 20 cm
- D 15.75 cm

Revise pages 97, 98

57 Triangles without right-angles

Work out the length of side x .

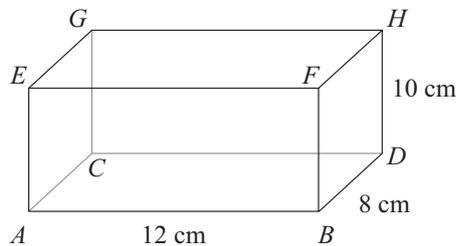


- A 120.5 cm
- B 7.5 cm
- C 11.0 cm
- D 9.1 cm

Revise pages 99, 101

58 Lengths in 3D shapes

Work out the length of the long diagonal AH in this cuboid.

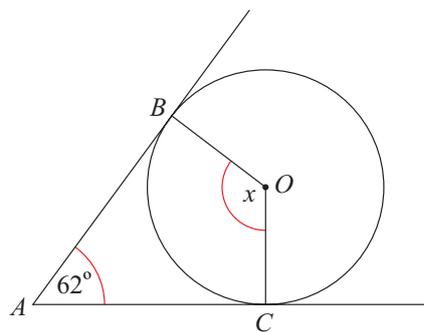


- A 17.5 cm
- B 14.4 cm
- C 14.8 cm
- D 15.9 cm

Revise pages 102, 103

59 Circle theorems

Work out the size of angle x .



- A 124°
- B 118°
- C 152°
- D 110°

Revise pages 104, 105

60 Vectors

$$\mathbf{p} = \begin{pmatrix} -2 \\ 5 \end{pmatrix} \text{ and } \mathbf{q} = \begin{pmatrix} 3 \\ -3 \end{pmatrix}$$

Work out the vector $\mathbf{p} - 2\mathbf{q}$

- A $\begin{pmatrix} 4 \\ -1 \end{pmatrix}$
- B $\begin{pmatrix} -1 \\ 8 \end{pmatrix}$
- C $\begin{pmatrix} -4 \\ 8 \end{pmatrix}$
- D $\begin{pmatrix} -8 \\ 11 \end{pmatrix}$

Revise pages 106, 107

Statistics and probability

61 Averages

The table shows the number of goals scored by a team in 40 matches.

Goals	0	1	2	3	4
Frequency	11	15	8	5	1

Work out the mean number of goals scored per match.

- A 2 goals B 8 goals
 C 1.25 goals D 2.5 goals

X **Revise pages 110, 111**

62 Interquartile range

The stem-and-leaf diagram shows the weights of 19 satsumas.

6		4 9
7		0 1 5 5 6 9
8		2 4 7 7 7 8 8
9		0 1 3 6

Key: 6 | 4 means 64 grams

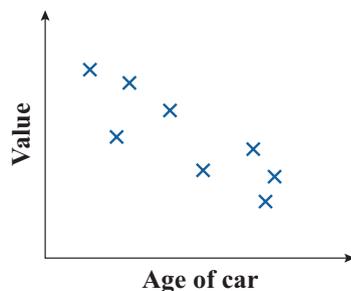
Work out the interquartile range of the weights.

- A 32 grams B 75 grams
 C 13 grams D 17 grams

X **Revise page 112**

63 Graphs

Describe the relationship shown on this scatter graph.



- A exponential decay
 B positive correlation
 C direct proportion
 D negative correlation

X **Revise pages 113, 114**

64 Collecting data

Which of the following **does not** describe a random sample.

- A Writing names in alphabetical order and choosing the first ten names
 B Assigning a number to each person and using a random number generator
 C Choosing names out of a hat
 D Asking each person to flip a coin and selecting anyone who gets heads

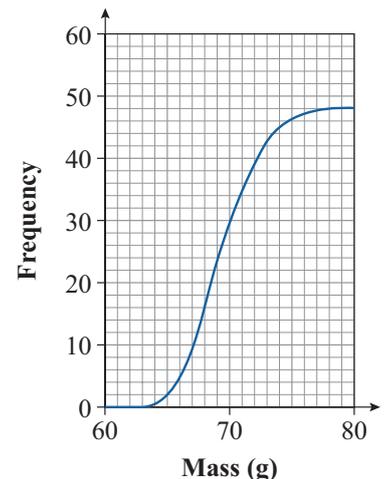
X **Revise pages 115, 117**

65 Cumulative frequency

The cumulative frequency graph shows the weights of some eggs.

What was the median weight?

- A 70 grams
 B 69 grams
 C 72 grams
 D 24 grams



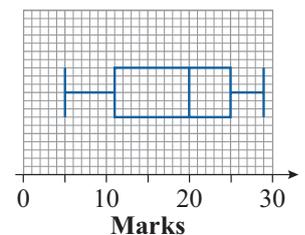
X **Revise page 118**

66 Box plots

This box plot shows the marks out of 30 for a group of students taking a spelling test.

Which of the following statements is **not** true?

- A Half the students scored more than 20 marks
 B A quarter of students scored fewer than 25 marks
 C The lowest-scoring student scored 5 marks
 D The interquartile range was 14 marks



X **Revise page 119**

Knowledge check

67 Histograms

Which of the following is **not** a true fact about histograms?

- A You can join the midpoints of the top of each bar to make a frequency polygon
- B The vertical axis is labelled 'frequency density'
- C You can have bars of different widths
- D The height of each bar represents the frequency for that class interval

Revise pages 120, 121

68 Probability

The table shows the probability of each score on a biased dice.

Score	1	2	3	4	5	6
Probability	0.1	x	x	x	x	$2x$

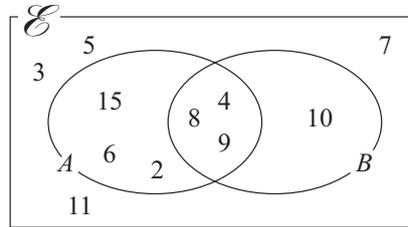
Ravi rolls the dice. Work out the probability that it lands on 6.

- A 0.2
- B 0.3
- C 0.36
- D 1.2

Revise page 123

69 Venn diagrams

A number is chosen at random from this Venn diagram.



Work out the probability that it is a member of the set $A \cup B$.

- A $\frac{7}{11}$
- B $\frac{3}{11}$
- C $\frac{3}{7}$
- D $\frac{6}{11}$

Revise pages 125, 126

70 Conditional probability

A bag contains 3 white counters and 2 black counters.

Two counters are chosen at random without replacement.

Work out the probability that the two counters are the same colour.

- A $\frac{9}{25}$
- B $\frac{13}{25}$
- C $\frac{2}{5}$
- D $\frac{3}{5}$

Revise pages 123, 124

Answers to the Knowledge check are on the back cover (page 20) of this booklet.

Notes

Use these pages to make any other catch-up notes you need. You could list topics that you know you need extra help with, or make a note of any facts or definitions you are struggling to remember. Or you could use them to record dates and times of catch-up sessions, extra tutorials or study periods.

Matching chart

You can use this chart to help you choose pages for your catch-up plan. Tick the units and topics you want to revise, and then add the pages listed to your plan on page 15.

Unit / topic	Revision Guide / Workbook pages	Revise? <input checked="" type="checkbox"/>
Unit 1: Number		<input type="checkbox"/>
Calculations, checking and rounding	4, 6, 13	<input type="checkbox"/>
Indices, roots, reciprocals and hierarchy of operations	2, 3, 4	<input type="checkbox"/>
Factors, multiples and primes	1	<input type="checkbox"/>
Standard form and surds	8, 12, 49	<input type="checkbox"/>
Unit 2: Algebra		<input type="checkbox"/>
Algebra: the basics	16, 17, 18, 21, 46	<input type="checkbox"/>
Setting up, rearranging and solving equations	19, 20, 45	<input type="checkbox"/>
Sequences	22, 23, 24	<input type="checkbox"/>
Unit 3: Interpreting and representing data		<input type="checkbox"/>
Averages and range	110, 111, 112	<input type="checkbox"/>
Representing and interpreting data and scatter graphs	113, 114	<input type="checkbox"/>
Unit 4: Fractions, ratio and proportion		<input type="checkbox"/>
Fractions	5, 6, 9, 59	<input type="checkbox"/>
Percentages	59, 62, 63	<input type="checkbox"/>
Ratio and proportion	60, 61, 68	<input type="checkbox"/>
Unit 5: Angles and trigonometry		<input type="checkbox"/>
Polygons, angles and parallel lines	73, 74, 75	<input type="checkbox"/>
Pythagoras' theorem and trigonometry	76, 77, 78, 79	<input type="checkbox"/>
Unit 6: Graphs		<input type="checkbox"/>
Graphs: the basics and real-life graphs	30, 55	<input type="checkbox"/>
Linear graphs and coordinate geometry	25, 26, 27, 68	<input type="checkbox"/>
Quadratic, cubic and other graphs	28, 29, 36	<input type="checkbox"/>
Unit 7: Area and volume		<input type="checkbox"/>
Perimeter, area and circles	80, 81, 83, 84, 104	<input type="checkbox"/>
3D forms and volume, cylinders, cones and spheres	81, 82, 83, 85, 86, 87	<input type="checkbox"/>
Accuracy and bounds	10, 11	<input type="checkbox"/>

If your school follows the Pearson Edexcel two- or three-year scheme of work, you can use the shading on the left-hand side of the table to help you find the topics you are most likely to have missed between spring half term and the summer holiday. You can also check with your teacher to find out exactly which topics you should have covered during lockdown.

Unit / topic	Revision Guide / Work-book pages	Revise? <input checked="" type="checkbox"/>
Unit 8: Transformation and constructions		<input type="checkbox"/>
Transformations	88, 89, 90	<input type="checkbox"/>
Constructions, loci and bearings	91, 92, 93, 94, 95	<input type="checkbox"/>
Unit 9: Equations and inequalities		<input type="checkbox"/>
Solving quadratic and simultaneous equations	31, 32, 33, 34, 35	<input type="checkbox"/>
Inequalities	37, 38, 41	<input type="checkbox"/>
Unit 10: Probability		<input type="checkbox"/>
Probability and counting	13, 123, 124	<input type="checkbox"/>
Representing probabilities and outcomes	125, 126, 127, 128	<input type="checkbox"/>
Unit 11: Growth and compound measures	64, 65, 66, 67	<input type="checkbox"/>
Unit 12: Similarity and congruence	96, 97, 98	<input type="checkbox"/>
Unit 13: More trigonometry		<input type="checkbox"/>
Graphs of trigonometric functions	39, 49, 79	<input type="checkbox"/>
Further trigonometry and solving 3D problems	99, 100, 101, 102, 103	<input type="checkbox"/>
Unit 14: Further statistics		<input type="checkbox"/>
Collecting data	115, 116, 117	<input type="checkbox"/>
Cumulative frequency, box plots and histograms	118, 119, 120, 121, 122	<input type="checkbox"/>
Unit 15: Equations and graphs		<input type="checkbox"/>
Equations, inequalities and iteration	36, 38, 41, 45	<input type="checkbox"/>
Using graphs	42, 43, 44	<input type="checkbox"/>
Unit 16: Circle theorems	104, 105	<input type="checkbox"/>
Unit 17: More algebra		<input type="checkbox"/>
Surds, fractions and rearranging	46, 47, 48, 49	<input type="checkbox"/>
Functions and proof	50, 51, 52	<input type="checkbox"/>
Unit 18: Vectors and geometric proof	106, 107	<input type="checkbox"/>
Unit 19: Proportion and graphs		<input type="checkbox"/>
Transforming graphs and exponential graphs	40, 53, 64	<input type="checkbox"/>
Gradient and area under graphs	54, 55, 56	<input type="checkbox"/>
Direct and inverse proportion	68, 69, 70	<input type="checkbox"/>

Two-year scheme of work units

Three-year scheme of work units

Knowledge check answers

1	C	2	B	3	C	4	A	5	C
6	B	7	A	8	D	9	A	10	D
11	B	12	C	13	C	14	D	15	B
16	B	17	A	18	B	19	C	20	A
21	B	22	C	23	D	24	B	25	D
26	D	27	A	28	B	29	A	30	A
31	A	32	B	33	D	34	D	35	C
36	C	37	B	38	A	39	A	40	D
41	C	42	B	43	C	44	A	45	B
46	D	47	C	48	D	49	B	50	C
51	B	52	D	53	C	54	C	55	A
56	D	57	C	58	A	59	B	60	D
61	C	62	C	63	D	64	A	65	B
66	B	67	D	68	B	69	A	70	C

Published by Pearson Education Limited,
80 Strand, London, WC2R 0RL.

www.pearsonschoolsandfecolleges.co.uk

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Text and illustrations © Pearson Education Ltd 2020
Produced, typeset and illustrated by
Florence Production Ltd, Stoodleigh, Devon UK

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First published 2020
23 22 21 20
10 9 8 7 6 5 4 3 2 1

British Library Cataloguing in Publication Data

A catalogue record for this book is available from the
British Library

ISBN 9781292374796

ISBN 978-1-292-37479-6

9 781292 374796 >

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Printed in the UK by Ashford Colour Press

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