

# **GEMS Winchester School Dubai**



## **Year 7 Progress Test Revision**

# English

## Topic / Skill:

Reading:

Narrative

Non-Narrative

## Notes / revision links

- Retrieval (extracting key information from the text read)
- Inference (drawing conclusion on the basis of text read)
- Authors technique (knowing the purpose, audience and context of writing)
- Complex Inference (knowing how choice of words, leads to a particular meaning)

NOTE : Pls choose Reading Option Booklet Year 7 from the first link below. Challenge your child to answer Level (4-6).

<http://www.satspapers.org/KS3%20test%20papers.htm>

From the below link practice test (1-4) Reading Comprehension Passages.

<https://www.majortests.com/sat/reading-comprehension.php>

## Practice Questions

Q21. Joey said there were no roofs on the buildings when he visited Skara Brae. Based on Joey's observations, what is the most likely reason for this?

Choose **one**.

- The buildings never had any roofs.
- The buildings were not strong enough for roofs.
- The roofs had worn away over time.
- The roofs had been removed.

Q22. *The farmers who lived there probably used straw, heather, or animal skins to make mattresses...*

Why did Joey use the word 'probably' in this sentence?

Choose **one**.

- He was not certain these materials were used.
- He was not sure they were farmers.
- He was not certain people had lived there.
- He was not sure the villagers had mattresses.

## Model Answers

Ans 21 a

Ans 22 b

Topic / Skill:

Spelling Punctuation and Grammar.

Notes / revision links

Spelling patterns and rules set out in KS 1 and 2

Apostrophes, Commas, Capitals and Full stops.

Tenses, Subject Verb Agreement, Countable, Conjunctions, Prepositions, Transition words (Connectors)

[SPaG Practice Resources](#)

Practice Questions

The following passages have not been edited. There is one error in each line. Write the incorrect word and the correction against the correct question number. Remember to underline the word you have supplied.

- |  |           |       |
|--|-----------|-------|
| 1. In the traditional sense prayer meant   | (a) ..... | ..... |
| communicating on God Almighty.             | (b) ..... | ..... |
| It includes the devotions, verbal but      | (c) ..... | ..... |
| mental prayers that are saying.            | (d) ..... | ..... |
| There are various ways and forms to        | (e) ..... | ..... |
| prayer and meditation, vocal prayers, etc. | (f) ..... | ..... |
| But the fundamental either the base        | (g) ..... | ..... |
| of prayer are not any of these.            | (h) ..... | ..... |

Model Answers

- |                           |                     |                      |                        |
|---------------------------|---------------------|----------------------|------------------------|
| 1. (a) meant <u>means</u> | (b) on <u>with</u>  | (c) but <u>and</u>   | (d) saying <u>said</u> |
| (e) to <u>of</u>          | (f) and <u>like</u> | (g) either <u>or</u> | (h) are <u>is</u>      |

# Maths

Topic / Skill:

Factors, Multiples, and Primes and Square Numbers

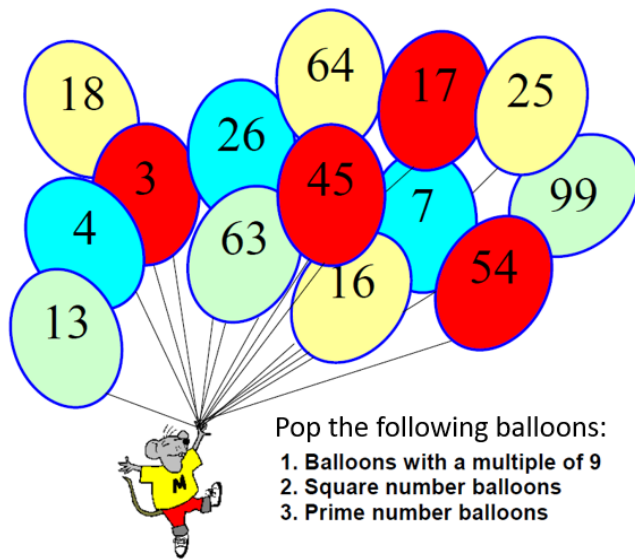
Notes / revision links

Factors and Multiples: <https://www.youtube.com/watch?v=rUrLuTMq-sw>

Prime Numbers: <https://www.youtube.com/watch?v=FBbHzy7v2Kg&t=143s>

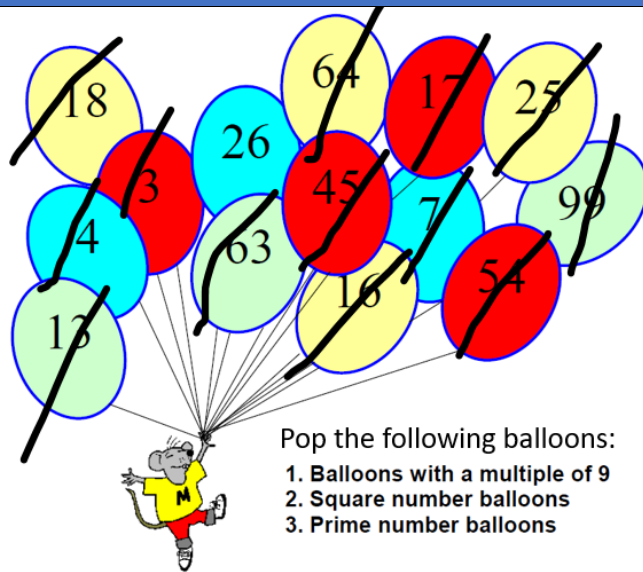
Square Numbers: [https://www.youtube.com/watch?v=lwUdY\\_2d\\_2Q](https://www.youtube.com/watch?v=lwUdY_2d_2Q)

Practice Questions



WHICH BALLOON IS LEFT?

Model Answers



WHICH BALLOON IS LEFT?

26

Topic / Skill:

Converting Time

Notes / revision links

<https://www.youtube.com/watch?v=Lj4YxVZWLJU>

Practice Questions

*Convert these 24 hour times into am and pm times.*

24-hour	12-hour
13:25	1:25pm
10:50	
16:41	
05:37	
12:10	
09:29	
17:02	

24-hour	12-hour
18:53	
22:05	
07:54	
00:17	
02:50	
21:12	
23:46	

Model Answers

*Convert these 24 hour times into am and pm times.*

24-hour	12-hour
13:25	1:25pm
10:50	10:50 am
16:41	4:41 pm
05:37	5:37 am
12:10	12:10 pm
09:29	9:29 am
17:02	5:02 pm

24-hour	12-hour
18:53	6:53 pm
22:05	10:05 pm
07:54	7:54 am
00:17	12:17 am
02:50	2:50 am
21:12	9:12 pm
23:46	11:46 pm

Topic / Skill:

Addition and Subtraction

Notes / revision links

Maths Progress Second Edition Core Textbook 1 pages 29-31

Practice Questions

**Challenge**

The table gives the numbers of children and adults attending some concerts.

Concert	Children	Adults
A	3624	35876
B	327419	48826
C	79902	816121

- Work out the total number of people at each concert.
- Estimate the number of people at all three concerts, to the nearest 10000.
- Work out the difference between the total number of adults and the total number of children.

Model Answers

a. Concert A:  $3624 + 35876 = 39,500$

Concert B:  $327419 + 48826 = 376,245$

Concert C:  $79902 + 816121 = 896,023$

b.  $40,000 + 380,000 + 900,000 = 1,320,000$

c. Children:  $3264 + 327419 + 79902 = 410,585$

Adult:  $35876 + 48826 + 816121 = 900,823$

$900,823 - 410,585 = 490,238$

Topic / Skill:

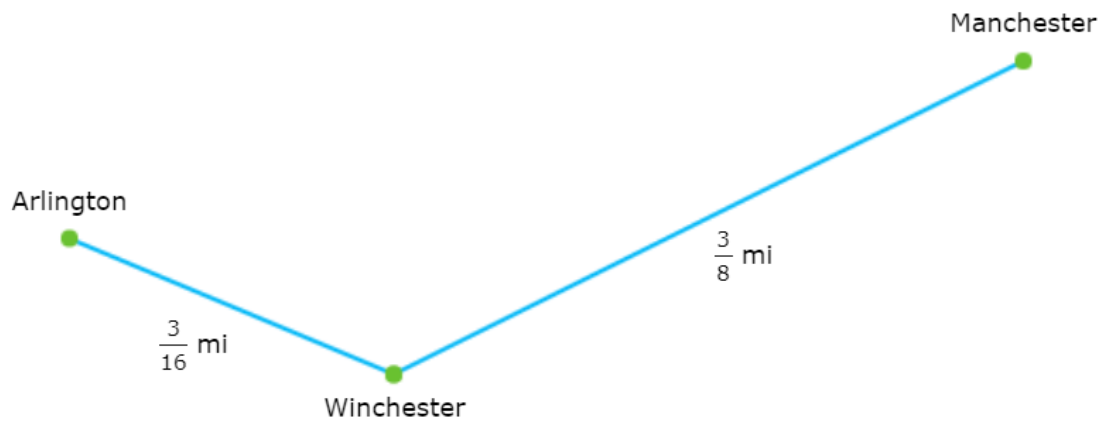
Addition and Subtraction of Fractions

Notes / revision links

<https://app.mymaths.co.uk/91-lesson/adding-subtracting-fractions>

Practice Questions

Using the paths shown, how far is it from Arlington to Manchester?



Model Answers

$$\begin{aligned}\frac{3}{16} + \frac{3}{8} &= \frac{3}{16} + \frac{3 \times 2}{8 \times 2} \\ &= \frac{3}{16} + \frac{6}{16} \\ &= \frac{9}{16} \text{ mi}\end{aligned}$$

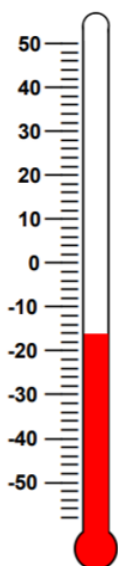
Topic / Skill:

Negative Numbers

Notes / revision links

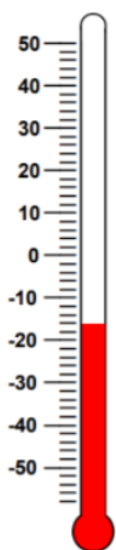
Reading Scales: <https://www.youtube.com/watch?v=IYFKZ8gUVmY>

Practice Questions



1. Determine the temperature shown in the thermometer on the left.
2. The temperature inside a freezer is minus 23 degree Celsius. The temperature falls by a further 12 degree Celsius. What is the new temperature?
3. What is the difference between temperatures of 12 degree Celsius and 210 degree Celsius?

Model Answers



1. Determine the temperature shown in the thermometer on the left.  $-16^{\circ}\text{C}$
2. The temperature inside a freezer is minus 23 degree Celsius. The temperature falls by a further 12 degree Celsius. What is the new temperature?  $-23 - 12 = -35^{\circ}\text{C}$
3. What is the difference between temperatures of 12 degree Celsius and 210 degree Celsius?

$$210 - 12 = 198^{\circ}\text{C}$$



Topic / Skill:

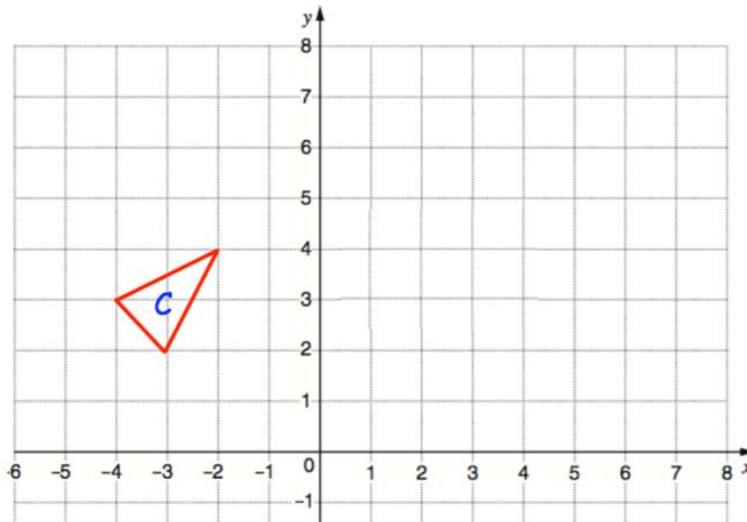
Triangles and Its Transformations

Notes / revision links

Kinds of Triangles: <https://www.youtube.com/watch?v=1k0G-Y41jRA>

Transformations: <https://app.mymaths.co.uk/318-lesson/all-transformations>

Practice Questions



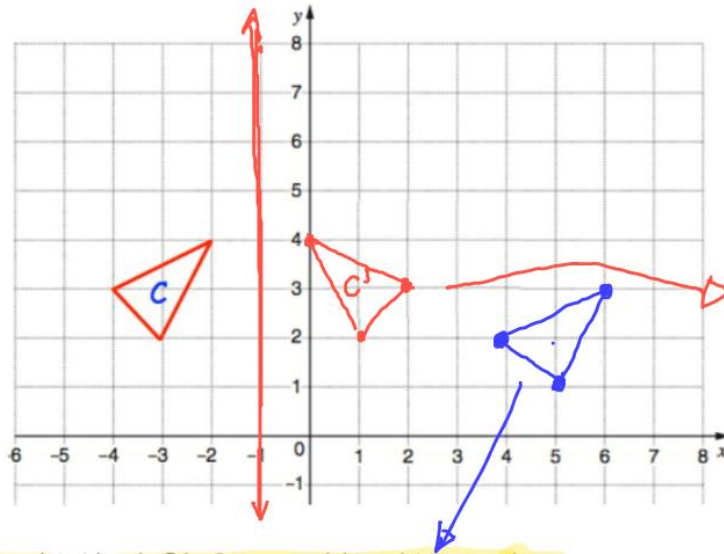
1. What kind of triangle is triangle C?

**CHALLENGE!**

2. Draw the reflection of triangle C at  $x = -1$ .

Translate triangle C by 8 squares right and 1 square down.

Model Answers



1. What kind of triangle is triangle C?

*Isosceles Triangle*

**CHALLENGE!**

2. Draw the reflection of triangle C at  $x = -1$ .

Translate triangle C by 8 squares right and 1 square down.

Topic / Skill:

Roman Numerals

Notes / revision links

Roman Numerals: <https://www.youtube.com/watch?v=49oWYxExWKE>

Practice Questions

What year was this  
New York building  
built?



Model Answers

1664

Topic / Skill:

Percentage of Amounts

Notes / revision links

Percentage of Amounts: <https://app.mymaths.co.uk/139-lesson/percentages-of-amounts-1>

Practice Questions

A gym has 275 members.

40% are bronze members.

28% are silver members.

The rest are gold members.

Work out the number of gold members.

Model Answers

$$40\% + 28\% = 68\%$$

$$100\% - 68\% = 32\% \text{ are gold members}$$

$$32\% \text{ of } 275 = 0.32 \times 275$$

$$= 88 \text{ are gold members}$$

Topic / Skill:

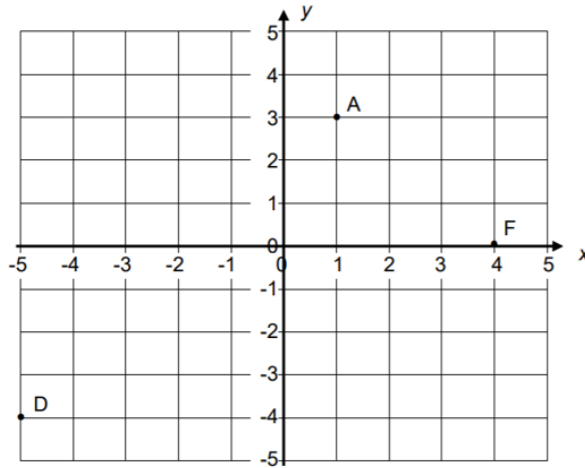
Plotting Points and the Cartesian Plane

Notes / revision links

Plotting Points: <https://www.youtube.com/watch?v=s7NKLWXkEEE>

Practice Questions

Look at the diagram below.



Write down the coordinates of the points A, D and F.

A = ( , )

D = ( , )

F = ( , )

Model Answers

$$A = (1, 3)$$

$$D = (-5, -4)$$

$$F = (4, 0)$$

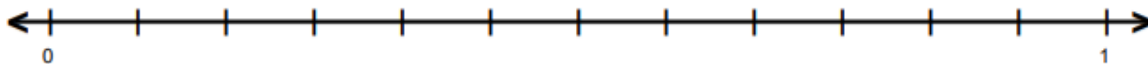
Topic / Skill:

Ordering Fractions on a Number Line

Notes / revision links

Fractions and Decimals: <https://app.mymaths.co.uk/90-lesson/fractions-to-decimals>

Practice Questions



$$A = \frac{1}{2}$$

$$B = \frac{1}{3}$$

$$C = \frac{5}{6}$$

$$D = \frac{3}{4}$$

Model Answers



$$A = \frac{1 \times 6}{2 \times 6} = \frac{6}{12}$$

$$C = \frac{5 \times 2}{6 \times 2} = \frac{10}{12}$$

$$B = \frac{1 \times 4}{3 \times 4} = \frac{4}{12}$$

$$D = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}$$

Topic / Skill:

Perimeter

Notes / revision links

Perimeter: <https://app.mymaths.co.uk/265-lesson/perimeter>

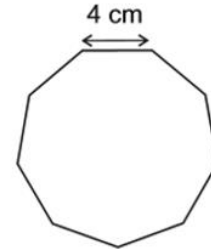
Practice Questions

a.

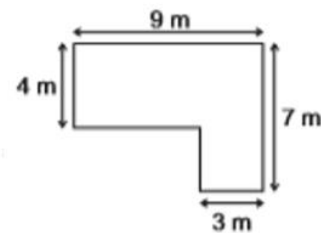
The length of each side of this shape is 4 cm.

What is the perimeter of the shape?

Answer: \_\_\_\_\_ cm



b. Find the perimeter of the shape on the right.



Model Answers

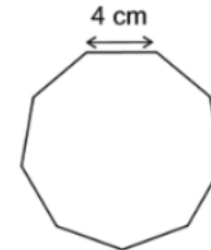
a.

The length of each side of this shape is 4 cm.

What is the perimeter of the shape?

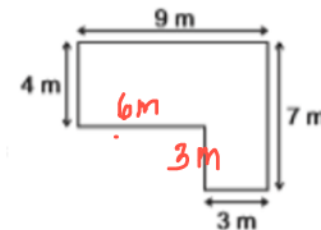
Answer: 36 cm

$$4 \times 8$$



b. Find the perimeter of the shape on the right.

$$4 + 9 + 7 + 3 + 3 + 6 = 32 \text{ m}$$



Topic / Skill:

Calculating Averages

Notes / revision links

Maths Progress Second Edition Core Textbook 1

Practice Questions

Here are the shoe sizes of the children at a party.

6 6 4 8 7 5 7 6 5

Find the

Mean:

Median:

Mode:

Range:

Model Answers

Find the

Mean: 6

Median: 6

Mode: 6

Range: 4

$$\text{Mean: } \frac{6 + 6 + 4 + 8 + 7 + 5 + 7 + 6 + 5}{9}$$

$$= 6$$

Median: =

4, 5, 5, 6, 6, 7, 7, 8

$$\text{Range: } 8 - 4 = 4$$

Topic / Skill:

Calculating Angles

Notes / revision links

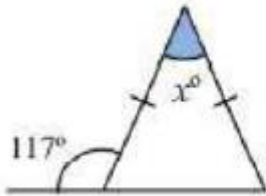
Calculating Angles: <https://www.youtube.com/watch?v=cBIJmmz8fll>

Isosceles Triangles: <https://www.youtube.com/watch?v=pj5k78rYtvw>

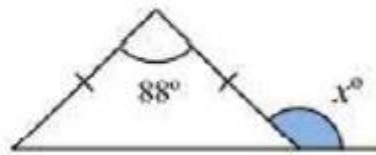
Angles around a Point: <https://www.youtube.com/watch?v=Yt2yvO-xkhY>

Practice Questions

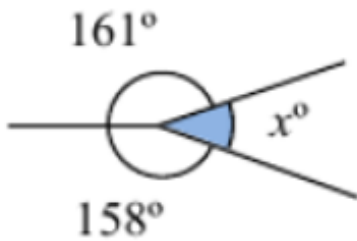
**D1** Work out the value of  $x$ .



**D2** Work out the value of  $x$ .

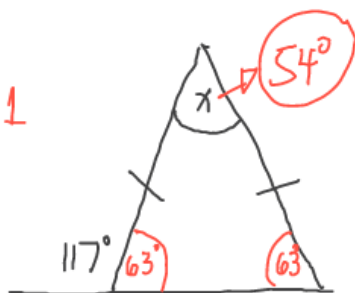


Find the value  $x$





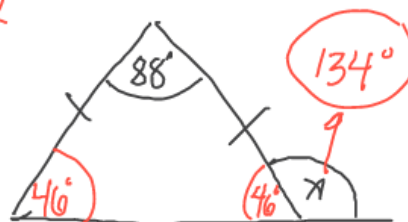
D1



$$180 - 117 = 63$$

$$180 - (63 + 63) = 54$$

D2

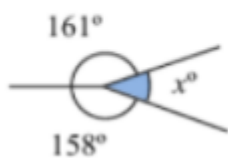


$$180 - 88 = 92$$

$$92 \div 2 = 46$$

$$180 - 46 = 134$$

Find the value  $x$



$$360 - 161 - 158 = 41$$

Topic / Skill:

Ratio and Proportion

Notes / revision links

Ratio: <https://app.mymaths.co.uk/159-lesson/ratio-dividing-1>

Practice Questions

At a school

number of boys : number of girls = 9 : 7

There are 116 **more** boys than girls.

Work out the total number of students at the school.

Model Answers

B                      G                      Their difference

9                      7                      2

9  $\times 58$                       7  $\times 58$                       2  $\times 58$

522                      406                      116

522 + 406 = 928 students

Topic / Skill:

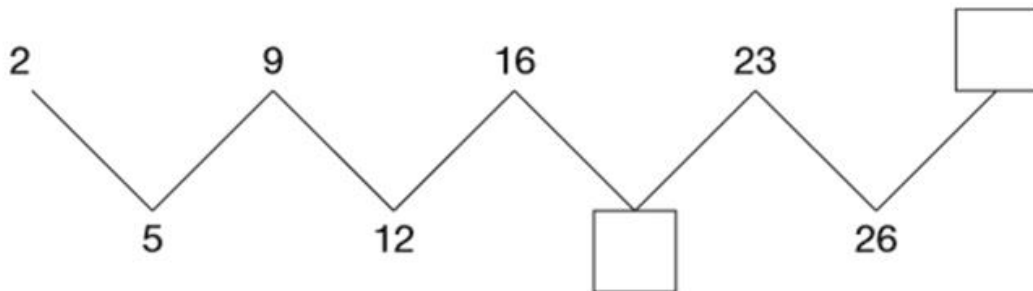
Patterns and Sequences

Notes / revision links

Sequences: <https://app.mymaths.co.uk/237-lesson/sequences>

Practice Questions

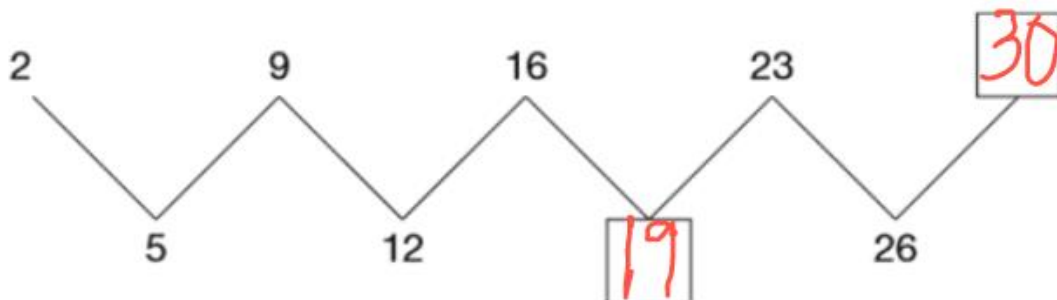
- a. Look at this number sequence.  
Write the missing numbers in the boxes.



- b. What is the next number in this sequence?  
23   35   47   59   ?

Model Answers

- a. Look at this number sequence.  
Write the missing numbers in the boxes.



- b. What is the next number in this sequence?  
23   35   47   59   ?

Topic / Skill:

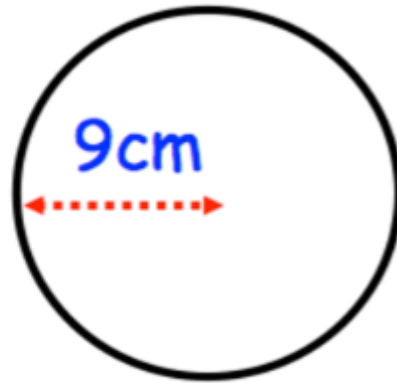
Circumference of a Circle

Notes / revision links

Circumference of a Circle: <https://www.youtube.com/watch?v=O-cawByg2aA>

Practice Questions

Shown below is a circle with radius 9cm.



Work out the circumference of the circle.  
Give your answer to 1 decimal place.

Model Answers

$$C = 2\pi r$$

$$= 2 \cdot \pi \cdot 9$$

$$= 18 \cdot 3.14$$

$$C = 56.5 \text{ cm}$$

Topic / Skill:

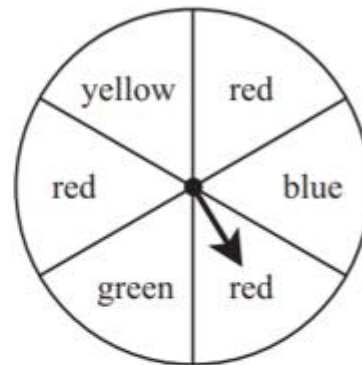
Probability

Notes / revision links

Probability: <https://app.mymaths.co.uk/378-lesson/simple-probability>

Practice Questions

Use the spinner below to answer the question.



What are all the possible outcomes for the spinner?

- A. red, blue, red, green
- B. yellow, red, blue, red
- C. red, blue, yellow, green
- D. yellow, red, blue, yellow

Calculate the probability (%) of spinning red.

Model Answers

C

$$\frac{3}{8} \rightarrow 3 \div 8 \times 100 \rightarrow 37.5\%$$