

Dividing decimals by whole numbers

Calculate these equations without the use of calculators.

- 1 $28.45 \div 5 =$ _____
- 2 $74.2 \div 2 =$ _____
- 3 $21.21 \div 7 =$ _____
- 4 $21.021 \div 3 =$ _____
- 5 $26.04 \div 6 =$ _____
- 6 $88.32 \div 4 =$ _____
- 7 $120.06 \div 6 =$ _____
- 8 $23.0 \div 2 =$ _____
- 9 $73.5 \div 5 =$ _____
- 10 $302.8 \div 2 =$ _____
- 11 $17.5 \div 7 =$ _____
- 12 $14.22 \div 3 =$ _____
- 13 $28.04 \div 8 =$ _____
- 14 $74.07 \div 9 =$ _____
- 15 $608.407 \div 1 =$ _____



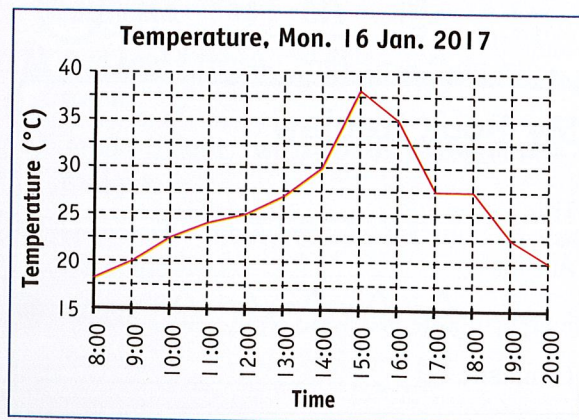
Score 2 points for each correct answer!

SCORE /30 0-12 14-24 26-30

Statistics & Probability

Using a table and a line graph

Use this line graph to answer the following questions.



Score 2 points for each correct answer!

SCORE /18 0-6 8-14 16-18

- 1 What time was the highest temperature reached?

- 2 During which hour was there the largest single increase in temperature?

- 3 How much was the largest single hour increase in temperature?

- 4 When did the cool change begin?

- 5 During which hour was there the largest drop in temperature?

- 6 During which hour was the temperature constant?

- 7 At what other time was the temperature the same as it was at 9:00?

- 8 At what approximate time was the temperature the same as it was at 11:00?

- 9 Use the graph to complete the table.

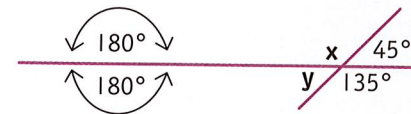
Temperature, 16 Jan. 2018	
Time	Temp. (°C)
8:00	
9:00	
10:00	
11:00	
12:00	
13:00	
14:00	
15:00	
16:00	
17:00	
18:00	
19:00	
20:00	



Measurement & Geometry

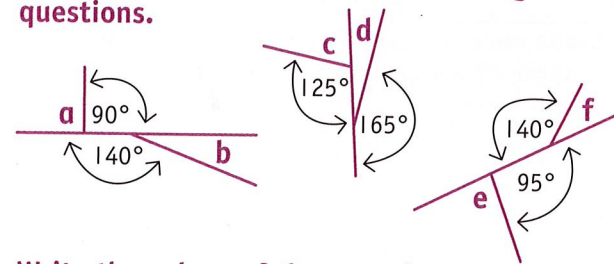
Investigating angles on a straight line

A straight line is 180° on both sides.



Two angles that make up a straight line must equal 180°. So angle $x = 180 - 45 = 135^\circ$. Angle $y = 180 - 135 = 45^\circ$

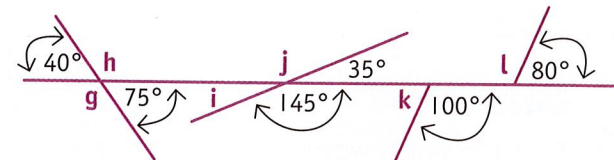
The diagrams below show angles on a straight line. Use them to answer the following questions.



Write the values of these angles.

- 1 $a =$ _____
- 2 $b =$ _____
- 3 $c =$ _____
- 4 $d =$ _____
- 5 $e =$ _____
- 6 $f =$ _____

Use this diagram to answer the following questions.



Write the values of these angles.

- 7 $g =$ _____
- 8 $h =$ _____
- 9 $i =$ _____
- 10 $j =$ _____
- 11 $k =$ _____
- 12 $l =$ _____

Score 2 points for each correct answer!

SCORE /24 0-10 12-18 20-24

Problem Solving

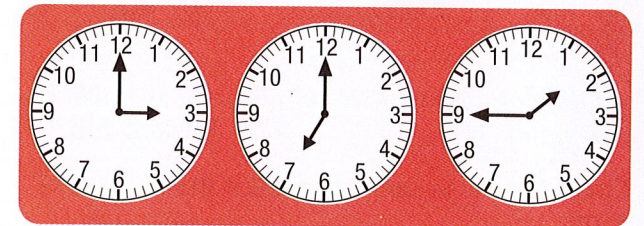
- 1 What would you get if you divided a lolly snake that was fifteen centimetres long into five equal parts, then you glued three of the parts back together and threw away the leftover bits?
Answer in centimetres.

- 2 What would you get if you divided a lolly snake that was 1.6 metres long into four equal parts, then you superglued two of the parts back together and threw away the leftover bits?
Answer in metres.

- 3 What would you get if you divided a lolly snake that was 40.8 millimetres long into eight equal parts, then you superglued five of the parts back together and threw away the leftover bits?
Answer in centimetres.

- 4 What would you get if you divided a lolly snake that was 42.6 centimetres long into six equal parts, then you superglued five of the parts back together and threw away the leftover bits?
Answer in metres.

Use the clock diagrams to answer the following questions. Estimate your answers to the nearest 10 degrees.



- 5 What is the smaller angle made by the hands on the first clock?

- 6 What is the larger angle made by the hands on the second clock?

- 7 What is the smaller angle made by the hands on the third clock?

- 8 What would be the smaller angle made by the hands of a clock showing 5:32?

- 9 What would be the two angles made by the hands of a clock showing 6 o'clock?
