

AQA GCSE Mathematics Non-Calculator 2022 Foundation Paper 1 Revision Worksheet

1. Circle the length of time between 4.00 pm and 5.05 pm

- a) 55 min
 - b) 65 min
 - c) 105 min
 - d) 125 min
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2. A circle has diameter 10 cm. Circle the radius.

- a) 5 cm
 - b) 10 cm
 - c) 20 cm
 - d) 100 cm
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3. Circle the percentage that is between $\frac{1}{2}$ and $\frac{3}{4}$

- a) 40%
 - b) 60%
 - c) 80%
 - d) 90%
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4. Circle the value of $3^2 + 4^2$

- a) 14
 - b) 17
 - c) 25
 - d) 49
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5. Simplify fully: $8a + 5b + 6a - 2b$

6. 200 students were each asked about the monthly cost of their phone contract. Here are the results:

	Less than £25	£25 or over
School students	40	90
College students	32	38

- 6 (a) How many **more** school students than college students were asked?
(b) What percentage of the 200 students had a monthly cost **less than £25**?

7. The only animals on a farm are 30 cows and 80 sheep.

$\frac{1}{5}$ of the 30 cows are sold and $\frac{5}{8}$ of the 80 sheep are sold.

Work out the **total** number of animals that are sold.

8. Some gamers were asked which type of video game they preferred.

65% said Action.

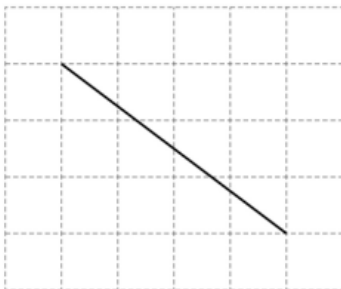
19% said Role-playing.

The rest said Sports.

What percentage said Sports?

Geometry and Calculation

- 9 (a).
the



A diagonal of a rectangle is drawn on a centimetre grid. The sides of rectangle are on the grid lines.

Work out the area of the rectangle.

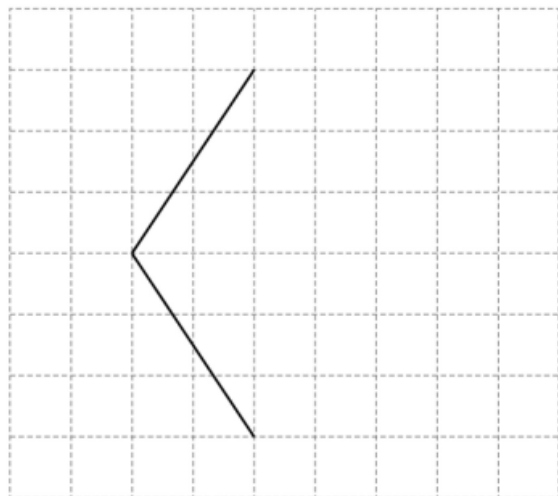
9 (b). One side of a parallelogram is drawn on this centimetre grid. The parallelogram does not have any right angles.

Complete the parallelogram so that it has **area 24 cm^2** .



9 (c). Two sides of a rhombus are drawn on this grid.

Complete the rhombus.



Calculation and Reasoning

10. Here is a calculation: $428 \times 30 = 12\,840$

Use the calculation to help answer the following questions.

10 (a). Write down the answer to $12\,840 \div 428$

10 (b). Circle the answer to 214×30

a) 1284

b) 3210

c) 6420

d) 25 680
