

MATHS TEACHER HUB
GCSE Foundation revision sheet - 4

1. A fair six-sided dice is rolled.
 Write down the probability of rolling a 4.

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2. Write 50 as a product of its prime factors

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3. Estimate

$$3.08 \times 4.9^2$$

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4. $a = \begin{pmatrix} 3 \\ -1 \end{pmatrix} \quad b = \begin{pmatrix} 5 \\ -2 \end{pmatrix}$

Work out $2a + 3b$

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5. Convert 4200 metre into kilometres.

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6. The ratio of girls to boys in a class is 3:5

What fraction of the class are girls?

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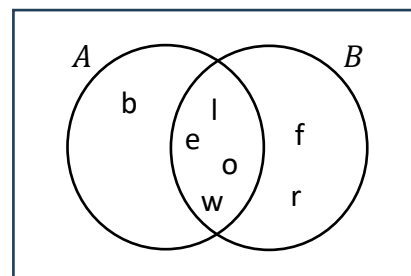
7. The number 2.8 has been rounded to 1 decimal place.

Complete the error interval.

$$\leq x <$$

.....

- 8.



List the values of $A \cap B$

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9. Solve

$$x + 3 < 3x - 9$$

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10. 3kg of carrots cost £2.40
2kg of potatoes and 2kg of
carrots cost £3.90

Work out the cost of 1kg of
potatoes.

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11. Make x the subject

$$y = \frac{x^2 + 3}{m}$$

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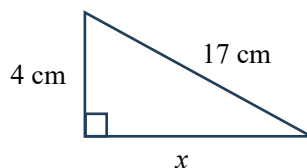
12. Work out the reciprocal of 0.8

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13. It takes 15 workers 18 days to
build a house.
How long would it take 10
workers to build an identical
house?

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14. Work out the value of x .



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15. A liquid has a density of 1.6g/ml
Find the mass of 330ml of the
liquid.

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16. 5 students have a mean height of
175cm.
A sixth student has a height of
185cm.
Work out the mean height of all 6
students.

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