

Maths Mastery Solve Problems with Rounding Challenge Cards



Solve Problems with Rounding

Maths Mastery Challenge Cards

1. Pavel has to explain how to round 3.6 to the nearest whole number. Use the blank number line to help Pavel.



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2. George has to explain how to round 6.3 to the nearest whole number. Use the blank number line to help George.



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3. Nikita has to explain how to round 2.5 to the nearest whole number. Use the blank number line to help Nikita.



4. Nikita has to explain how to round 1.37 to the nearest tenth. Use the blank number line to help Nikita.



5. Pavel has to explain how to round 6.13 to the nearest tenth. Use the blank number line to help Pavel.



6. George has to explain how to round 4.95 to the nearest tenth. Use the blank number line to help George.



7. Pavel has to explain how to round 1.368 to the nearest hundredth. Use the blank number line to help Pavel.



8. Pavel needs to round the following amounts of money to the nearest one pence.

Work alone or with a partner to complete them.

- Half of £2.79
- 75% of £3.45
- $\frac{1}{3}$ of £14.20
- 40% of £26.49



Write some challenges of your own for a partner to solve.

9. Nikita needs to round the following measurements of water.

Work alone or with a partner to complete them.

Give all of your answers in litres.

- Half of 750ml rounded to the nearest tenth of a litre.
- 25% of 340ml rounded to the nearest tenth of a litre.
- $\frac{2}{3}$ of 4l rounded to the nearest hundredth of a litre.
- 90% of 435ml rounded to the nearest millilitre.

Write some challenges of your own for a partner to solve.

10. George needs to round the following lengths.

Work alone or with a partner to complete them.

- 50% of 345cm rounded to the nearest metre.
- $\frac{3}{4}$ of 5.4m rounded to the nearest tenth of a metre.
- 30% of 475mm rounded to the nearest centimetre.
- $\frac{4}{5}$ of 23.4cm rounded to the nearest millimetre.

Write some challenges of your own for a partner to solve.

11. Pavel needs to round the following weights.

Work alone or with a partner to complete them.

- $\frac{1}{2}$ of 16.7kg rounded to the nearest kilogram.
- 25% of 345g rounded to the nearest gram.
- 65% of 7.2kg rounded to the nearest tenth of a kilogram.
- $\frac{7}{8}$ of 5kg rounded to the nearest hundredth of a kilogram.

Write some challenges of your own for a partner to solve.