

Fractions of Quantities 2

Worksheet

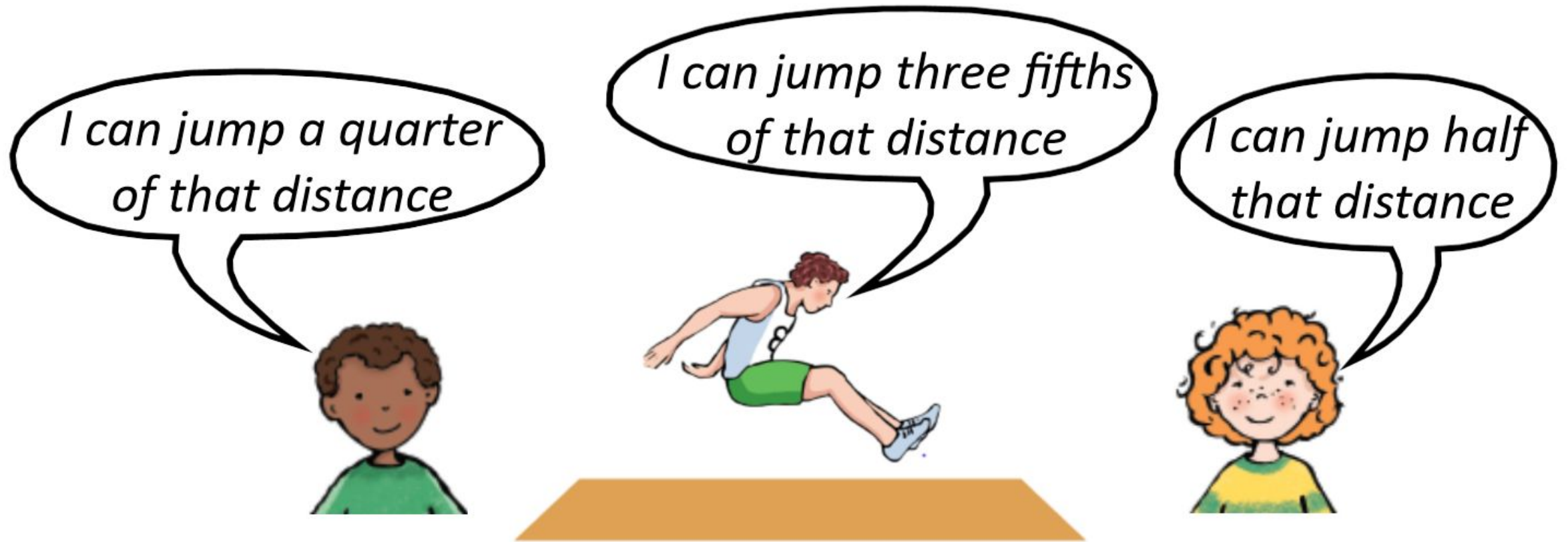
Mathematics

Mr Kelsall



New learning: context

In the long jump, Jessica Ennis jumped a distance of 6 m 40 cm.



New learning: context

In an Olympic high jumping event, an athlete cleared a height of **2 m 28 cm**.

I can jump $\frac{1}{3}$ of that height



I can jump $\frac{3}{4}$ of that height



I can jump $\frac{1}{2}$ the height he jumped



Develop learning: problems

On his first throw Alfie threw the javelin 38m.
After working hard on his throw, he was able
throw half that distance again.

How far did he manage to throw the javelin?



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Develop learning: problems

On his first try, Sven threw the shot put 10m 50cm.
After weeks of training he could throw a further
of this distance.

How far did he throw the shot put?





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Independent task

Solve these questions.

<p>Construct a bar model to represent each problem and make sure to give a full sentence answer.</p>	<p>Generate your own problems that involve adding these amounts:</p>
<div data-bbox="140 546 453 849"></div> <p data-bbox="486 546 1314 792">Evan threw the hammer 24 m and after dedicated training was able to throw an impressive $\frac{5}{6}$ of that distance more.</p> <p data-bbox="486 839 1314 882">How far can he throw the hammer?</p>	<p data-bbox="1424 664 1961 714">Three tenths of 50 m</p>
<div data-bbox="127 929 736 1243"></div> <p data-bbox="601 939 1352 1120">Iain jumped 5 m and 10 cm, The length of the sand pit is $\frac{1}{3}$ of this distance again.</p> <p data-bbox="792 1168 1352 1210">How long is the sand pit?</p>	<p data-bbox="1429 1063 1921 1113">One quarter of 6m</p>



Independent task

Label the bar models and then calculate.
Generate a word problem for each.

Three quarters of 4.12 m Two fifths of 10.5 km

