

Ordering proper and improper fractions: Co-operative logic puzzles

<p>Puzzle Easy: Clue 1</p> <p>Your set must be divisible by two.</p>	<p>Puzzle Easy: Clue 2</p> <p>If packets contain three beans, you can make many whole packets, but there are no beans leftover.</p>	<p>Puzzle Easy: Clue 3</p> <p>If packets contain four beans, you can make four and one half packets.</p>
<p>Puzzle Easy: Clue 4</p> <p>If packets contain nine beans, there is no fraction of a packet left over.</p>	<p>Puzzle Easy: Clue 5</p> <p>The number of beans in your set is less than twenty.</p>	<p>Puzzle Easy: Clue 6</p> <p>If there are five beans in a packet, you can make three and three fifths packets.</p>

<p>Puzzle Medium: Clue 1</p> <p>Your set must contain between 20 and 40 beans.</p>	<p>Puzzle Medium: Clue 2</p> <p>If packets contain four beans, you can make many whole packets, with one bean leftover.</p>	<p>Puzzle Medium: Clue 3</p> <p>If packets contain three beans, you can make many whole packets, and one third of a packet.</p>
<p>Puzzle Medium: Clue 4</p> <p>If packets contain seven beans, you can make three whole packets and over half of another packet.</p>	<p>Puzzle Medium: Clue 5</p> <p>The number of beans in your set is an odd number.</p>	<p>Puzzle Medium: Clue 6</p> <p>If you get the size of a single packet correct, you can make two and one half packets with your set of beans.</p>

Puzzle Hard: Clue 1

The number of beans in your set is divisible by six.

Puzzle Hard: Clue 2

If packets contain four beans, you will have many whole packets, and one half of another packet.

Puzzle Hard: Clue 3

If packets contain five beans, you can almost make eight and one half packets.

Puzzle Hard: Clue 4

If packets contain seven beans, you can only make a whole number of packets.

Puzzle Hard: Clue 5

The number of beans in your set is six more and seven less than two square numbers.

Puzzle Hard: Clue 6

If you get the size of a single packet correct, you can make five and one quarter packets with your set of beans.