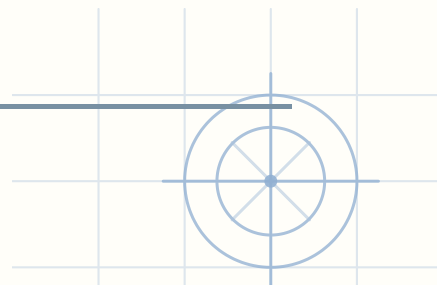


Arithmetic — Write your own

Name: _____

Date: _____



(Invent a question that fits, then answer it yourself.

- 1** Think of a number between 10 and 50.

Write a "how many factors?" question of your own whose answer is "8 factors".

Your The numbers between 10 and 50 with exactly 8 factors are 24, 30, 40, 42.

question Any of these makes a valid question — there are 4 to choose from, so a child's answer need not match anyone else's.

- 2** A shop accepts only 1c, 3c, and 11c coins.

Choose an amount and write a "fewest coins" question whose answer is exactly 6 coins.

Your question

.....

.....

.....

- 3** Think of a number between 35 and 105.

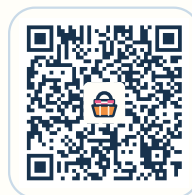
Write a "how many factors?" question of your own whose answer is "6 factors".

Your question

.....

.....

.....



Write your own — Answer key

If they are stuck

- Work backwards: pick something, work out its answer, and keep it if it matches.

1. The numbers between 10 and 50 with exactly 8 factors are 24, 30, 40, 42. Any of these makes a valid question — there are 4 to choose from, so a child's answer need not match anyone else's.

3. The numbers between 35 and 105 with exactly 6 factors are 44, 45, 50, 52, 63, 68, 75, 76, 92, 98, 99. Any of these makes a valid question — there are 11 to choose from, so a child's answer need not match anyone else's.

2. The amounts for which the fewest possible payment uses 6 coins are 30c, 32c, 38c, 40c. Any of these makes a valid question — there are 4 to choose from, so a child's answer need not match anyone else's.

