

# Bucket and beanbags

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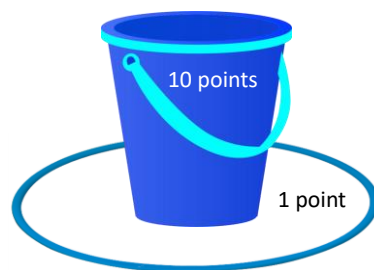
## Bucket and beanbags

Kim threw four beanbags at a bucket.

If the bean bag landed in the bucket, she scored 10 points.

If the beanbag landed outside the bucket in the hoop, she scored 1 point.

How many different scores can Kim make with 4 beanbags?



# Bucket and beanbags solution

Working systematically

$$10 + 10 + 10 + 10 = 40$$

$$10 + 10 + 10 + 1 = 39$$

$$10 + 10 + 1 + 1 = 22$$

$$10 + 1 + 1 + 1 = 13$$

$$1 + 1 + 1 + 1 = 4$$