

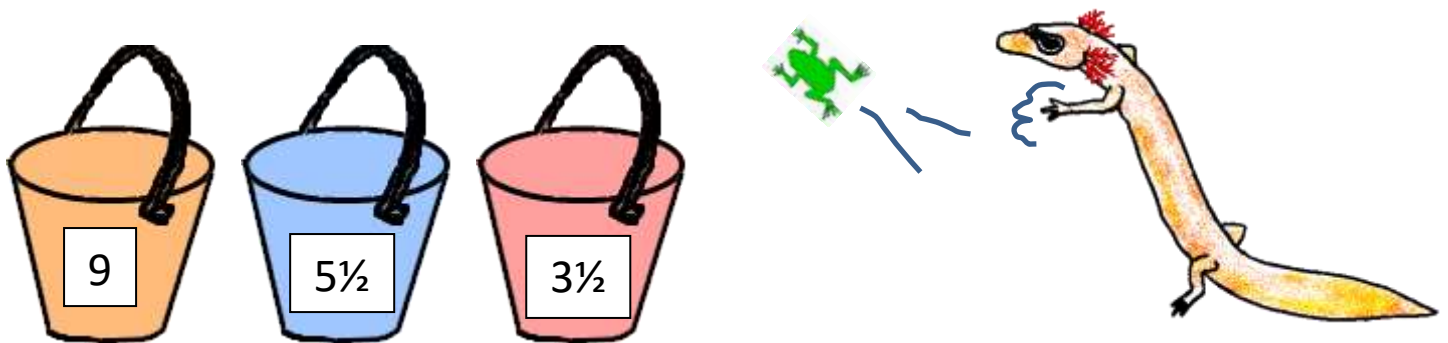


## FROGS IN A BUCKET 5

Captain Salamander has been playing one of his favourite games called frog in a bucket with some of his friends.

In the game, you have to try to throw a bean bag frog into a bucket.

Each player gets 3 frogs to throw. You score either 9 points,  $5\frac{1}{2}$  points,  $3\frac{1}{2}$  points, or minus 3 points (if you miss all the buckets).



Captain Salamander throws his 3 frogs and he manages to score at least 5 points.

How many points could he have scored?

Find all possibilities.

Example: He could have scored 8 points if his bean bags scored  $5\frac{1}{2}$  points,  $5\frac{1}{2}$  points and a miss to score -3 points.



Name

Date

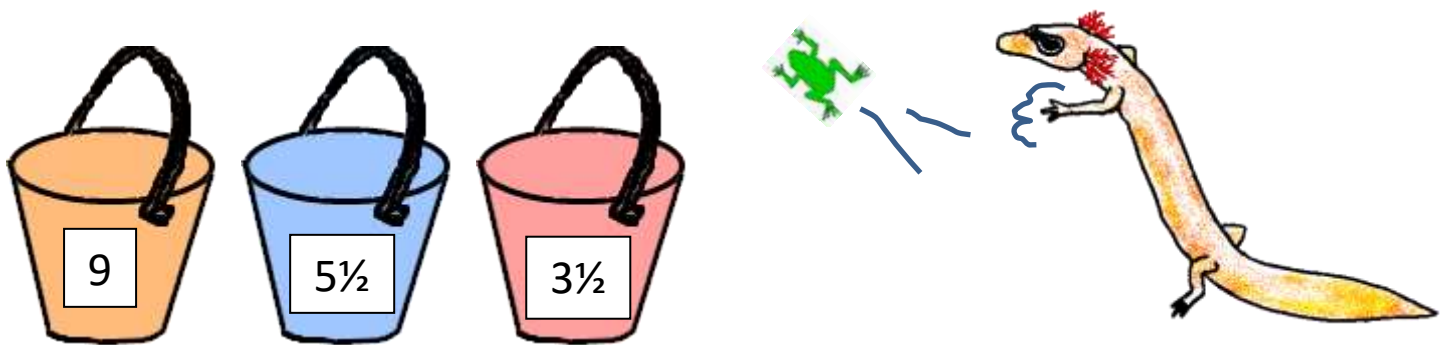


## FROGS IN A BUCKET 5 ANSWERS

Captain Salamander has been playing one of his favourite games called frog in a bucket with some of his friends.

In the game, you have to try to throw a bean bag frog into a bucket.

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Captain Salamander throws his 3 frogs and he manages to score at least 5 points.

How many points could he have scored?

There are 15 possibilities for the bean bags and the scores.

$9 + 9 + 9$	$= 27$ points	$5\frac{1}{2} + 5\frac{1}{2} + 5\frac{1}{2}$	$= 16\frac{1}{2}$ points
$9 + 9 + 5\frac{1}{2}$	$= 23\frac{1}{2}$ points	$5\frac{1}{2} + 5\frac{1}{2} + 3\frac{1}{2}$	$= 14\frac{1}{2}$ points
$9 + 9 + 3\frac{1}{2}$	$= 21\frac{1}{2}$ points	$5\frac{1}{2} + 5\frac{1}{2} - 3$	$= 8$ points
$9 + 9 - 3$	$= 15$ points	$5\frac{1}{2} + 3\frac{1}{2} + 3\frac{1}{2}$	$= 12\frac{1}{2}$ points
$9 + 5\frac{1}{2} + 5\frac{1}{2}$	$= 20$ points	$5\frac{1}{2} + 3\frac{1}{2} - 3$	$= 6$ points
$9 + 5\frac{1}{2} + 3\frac{1}{2}$	$= 18$ points	$3\frac{1}{2} + 3\frac{1}{2} + 3\frac{1}{2}$	$= 10\frac{1}{2}$ points
$9 + 5\frac{1}{2} - 3$	$= 11\frac{1}{2}$ points		
$9 + 3\frac{1}{2} + 3\frac{1}{2}$	$= 16$ points		
$9 + 3\frac{1}{2} - 3$	$= 9\frac{1}{2}$ points		