A Day at the Fair

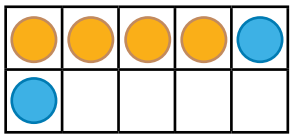
To solve two-step problems involving addition and subtraction.

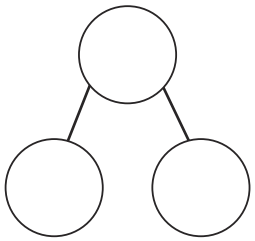
Buying Ice Creams

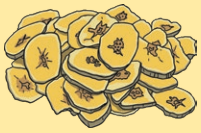
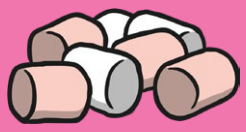
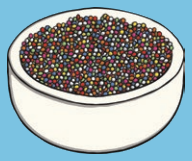
Haleema and Erin have 10p to spend on ice cream toppings.

They buy 2 toppings. Choose 2 toppings that they could buy.
How much change would they have from 10p?

Find the answers by using ten 1p coins, a part-whole model or a ten-frame and ten counters.

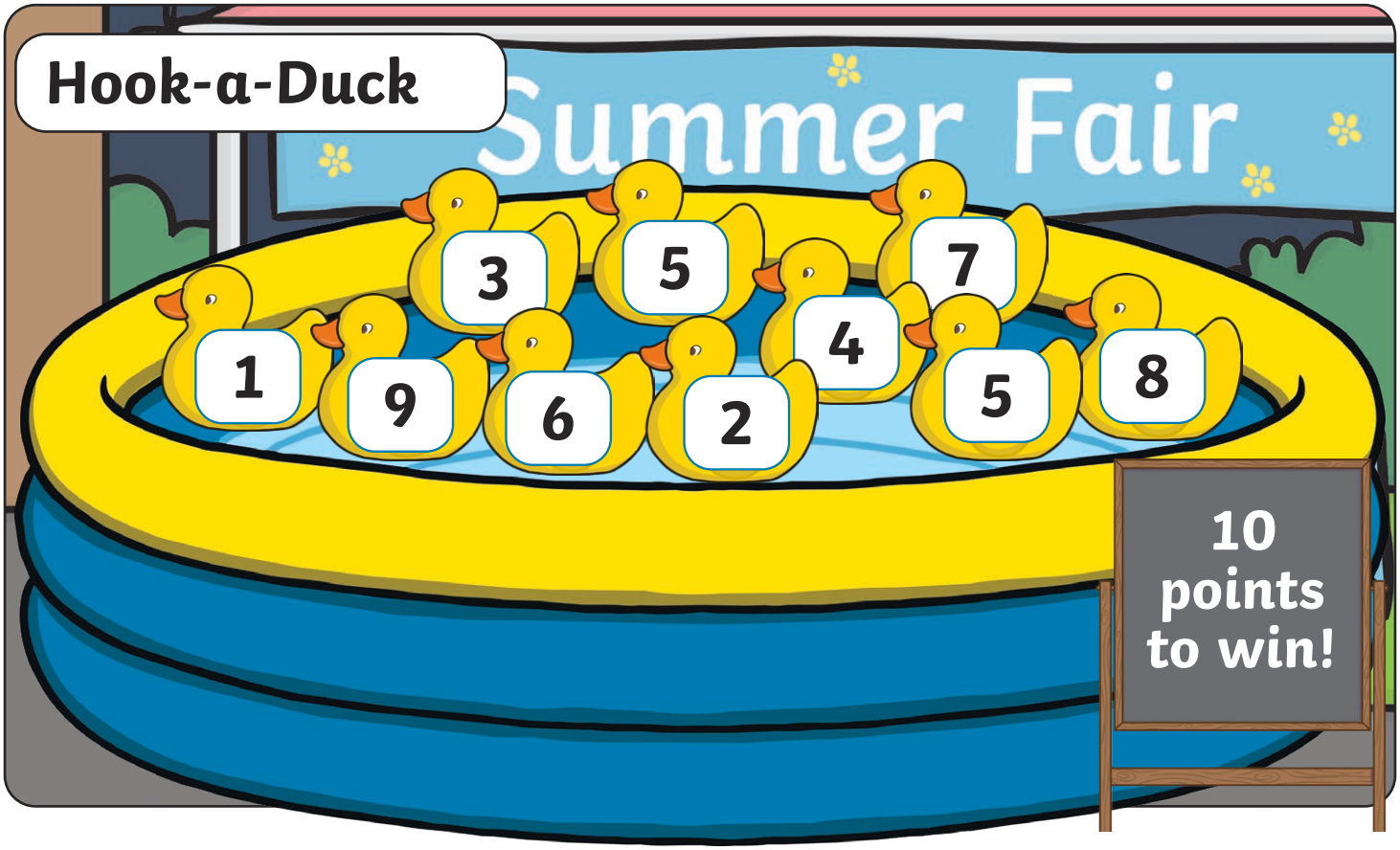




Strawberries  1p	**Bananas**  3p	4p + 2p = 6p 10p - 6p = 4p I would get 4p change from 10p.
Marshmallows  6p	**Sprinkles**  2p	
Flake  5p	**Chocolate Chunks**  7p	**Fudge Chunks**  4p

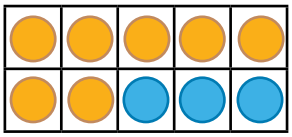
Blueberries  8p

A Day at the Fair



Haleema catches 2 ducks in the hook-a-duck game. Which 2 ducks could she have caught? How many more points would she need to win the game?

Find the answers by using a ten-frame and ten counters.



Erin catches 2 different ducks. How many points might she need to win?

Answers

Buying Ice Creams
There are multiple answers, depending on the choice of topping.

Examples include: 1p + 8p = 9p (1p change)

6p + 2p = 8p (2p change)

Hook-a-Duck
Multiple answers, depending on the choice of ducks.
Examples include:

3 + 4 = 7 (3 points needed to win)
5 + 3 = 8 (2 points needed to win)

Accept any 2 different combinations of numbers.

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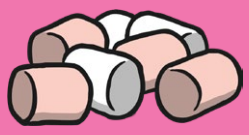
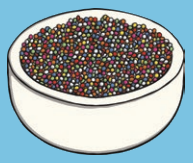
To solve two-step problems involving addition and subtraction.

Buying Ice Creams

Haleema and Erin have 20p to spend on ice cream toppings.

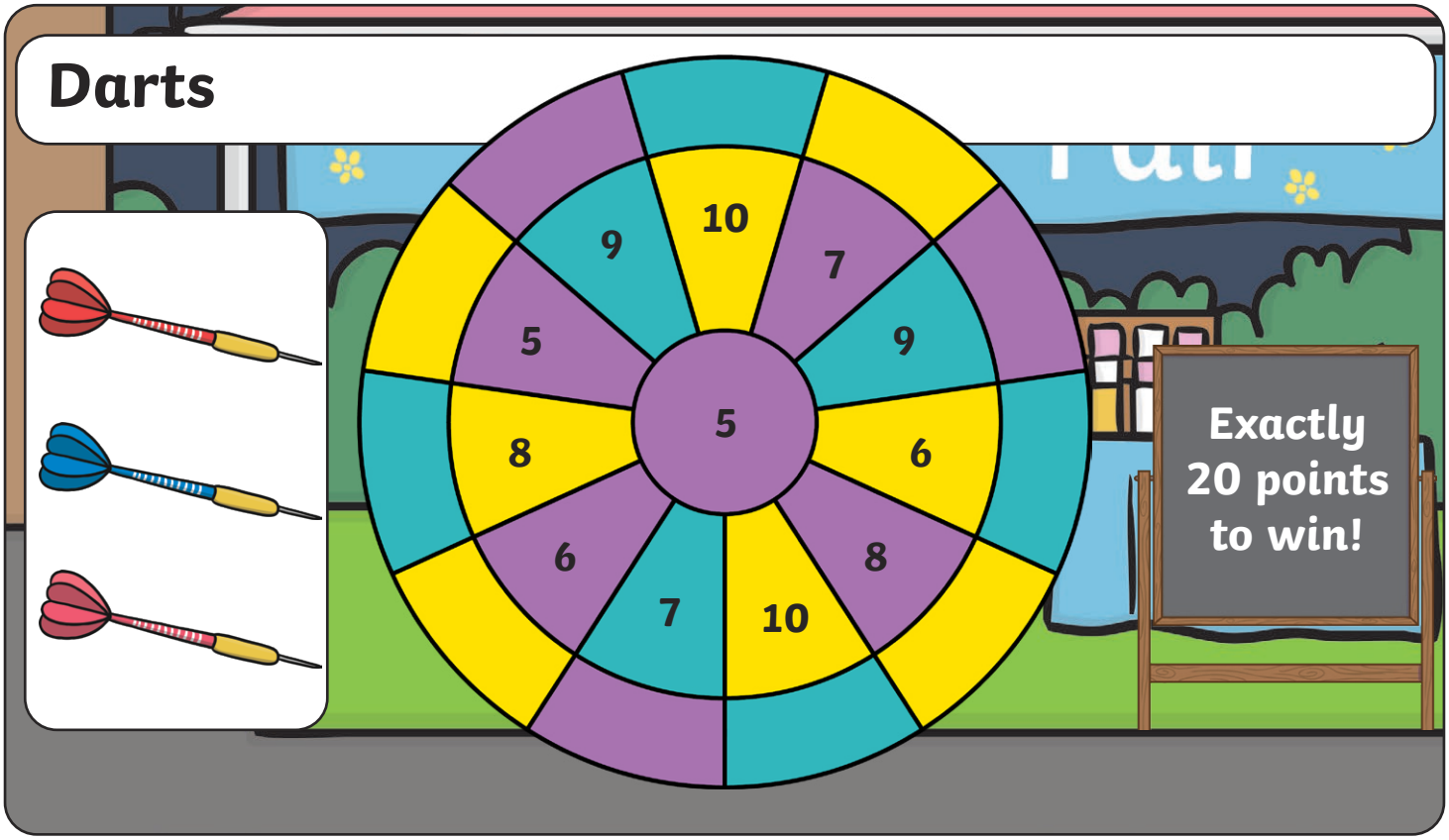
Strawberries	Bananas	Marshmallows	Sprinkles
			
9p	6p	10p	5p

Flake	Chocolate Chunks	Fudge Chunks	Blueberries
			
11p	7p	8p	12p

They buy 2 toppings. How much could they have spent and how much change would they have from 20p?

Which 2 toppings could they not afford to buy? How much more money would they need to buy these?

A Day at the Fair



1. Haleema's 1st dart scored 8 points. Her 2nd dart scored 7 points. How many more points does she need to win?

2. Erin scored 4 more points than Haleema. Which 2 darts could she have thrown?

3. Can Erin win the game? Explain your reasoning.

Answers

Buying Ice Creams

1. Multiple answers, depending on the choice of topping.
   Examples include:
   7p + 8p = 15p (5p change)
   9p + 7p = 16p (4p change)

2. Accept any 2 toppings which would total more than 20p.
   Examples include:
   10p + 11p = 21p (They would need another 1p.)
   11p + 12p = 23p (They would need another 3p.)

Darts

1. 8 + 7 = 15
   20 - 15 = 5
   Haleema needs 5 more points to win.

2. Erin must have thrown the 9 and the 10 as her score is 19 and these are the only numbers that add up to this score.

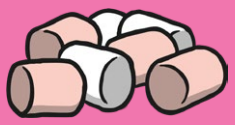
3. Erin can't win the game. She needs to hit a 1 with her last score to get exactly 20 points to win, but there is no 1 on the dart board.

A Day at the Fair

To solve two-step problems involving addition and subtraction.

Buying Ice Creams

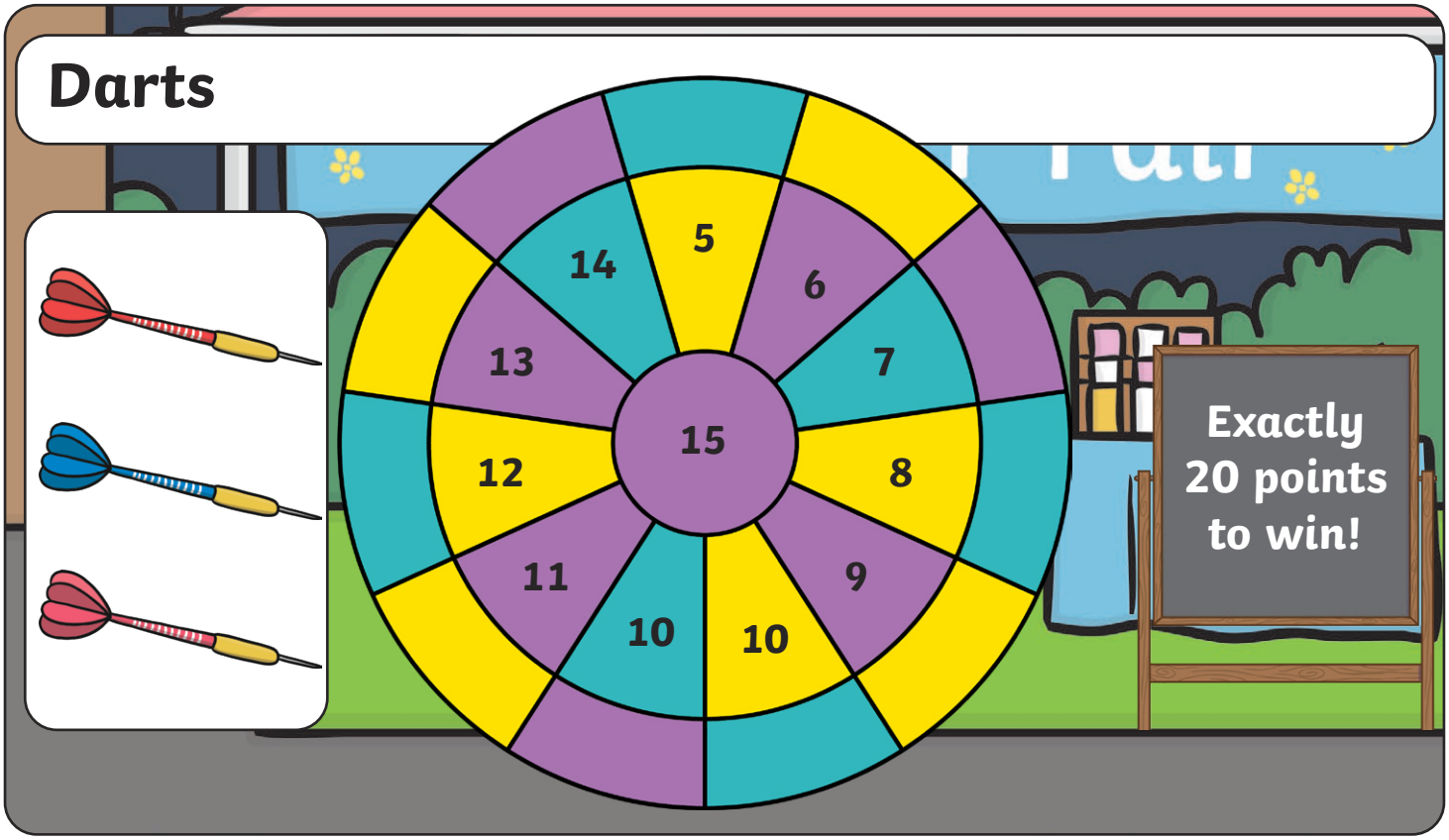
Haleema and Erin have 20p to spend on ice cream toppings.

Strawberries	Bananas	Marshmallows	Sprinkles
			
9p	6p	10p	5p

Flake	Chocolate Chunks	Fudge Chunks	Blueberries
			
11p	7p	8p	12p

Which 2 toppings could they not afford to buy? How much more money would they need to buy these?

A Day at the Fair



1. Haleema's 1st dart scored 8 points. Her 2nd dart scored 5 points. How many more points does she need to win?

2. Erin scored 4 more points than Haleema. Which 2 darts could she have thrown? Can Erin win the game? Explain your reasoning.

Answers

Buying Ice Creams

Many possible answers, such as:

10p + 11p = 21p (They would need 1p more.)

10p + 12p = 22p (They would need 2p more.)

11p + 12p = 23p (They would need 3p more.)

Darts

1. **8 + 5 = 13**
   20 - 13 = 7
   Haleema needs 7 more points to win.

2. **Erin could have thrown:**
   9 and 8 or
   10 and 7 or
   11 and 6 or
   12 and 5

Erin can't win the game. She needs to hit a 3 with her last score to get exactly 20 points to win, but there is no 3 on the dart board.