Year 4 maths: Chance as numbers (Easy)

Maths · Data
Level: Easy

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. Which is more likely: blue or red?

Circle one answer.



Colour key: B = blue, R = red

○ **A** Red ○ **B** They have the same chance ○ **C** Blue

2. How many balloons could you pick from? Answer: ☐ balloons



Working:

3. Which change makes green and orange equally likely?

Circle one answer.

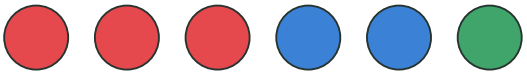


Colour key: G = green, O = orange

○ **A** Add 5 orange ○ **B** Add 2 orange ○ **C** Add 2 green

4. Which colour has 1 chance in 6?

Circle one answer.



○ **A** Red ○ **B** Green ○ **C** Blue

5. Step 1: count the cards. Step 2: find the odd ones. What is the chance of an odd number?

Circle one answer.

1	2	3	4

○ **A** 1 chance in 4
○ **B** 2 chances in 4
○ **C** 2 chances in 2

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6. Can you pick an odd number from these cards?

Circle one answer.

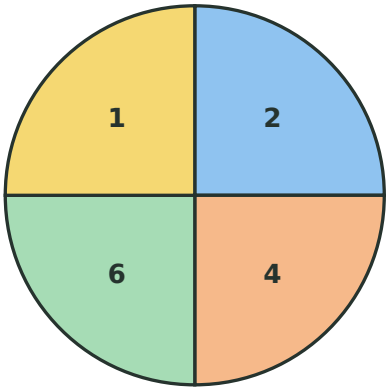
2	4	6	8

○ **A** Yes, it is certain
○ **B** Yes, 1 chance in 2
○ **C** No, it is impossible

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7. How many parts of this spinner show an even number?

Answer: _____ parts

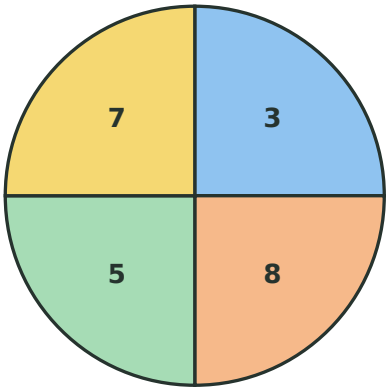


Working:

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8. This spinner has 4 equal parts. What is the chance of landing on an even number?

Circle one answer.



○ **A** 1 chance in 4
○ **B** 1 chance in 3
○ **C** 3 chances in 4

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9. A bag has counters numbered 1 to 5. What is the chance of picking an odd number?

Circle one answer.

○ **A** 1 chance in 5 ○ **B** 2 chances in 5 ○ **C** 3 chances in 5

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10. A bag has 2 blue and 4 yellow counters. Is yellow twice as likely as blue?

Circle one answer.



○ **A** Yes ○ **B** No

Colour key: B = blue, Y = yellow

Answer key

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1. C — Blue
Blue has 6 chances in 7. Red has only 1 chance in 7.

2. 9 balloons
5 yellow + 2 pink + 2 purple = 9 balloons.

3. B — Add 2 orange
Green 5, orange 3. Adding 2 orange makes 5 and 5.

4. B — Green
Only 1 of the 6 marbles is green.

5. B — 2 chances in 4
4 cards. The odd ones are 1 and 3. 2 of the 4: 2 chances in 4.

6. C — No, it is impossible
2, 4, 6 and 8 are all even. There is no odd card, so it is impossible.

7. 3 parts
2, 4 and 6 are even: 3 parts.

8. A — 1 chance in 4
Only 8 is even. 1 part out of 4.

9. C — 3 chances in 5
1, 3 and 5 are odd: 3 chances in 5.

10. A — Yes
Twice 2 is 4, and there are 4 yellow. Yes.