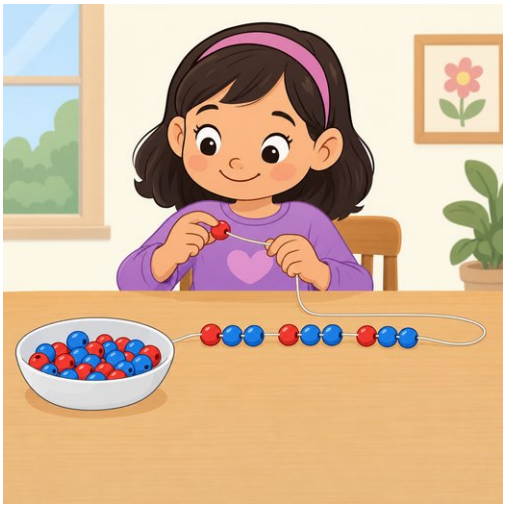
HugeMathBrain — Grade 1 Printable Quiz

Free teacher copy: 12 original reasoning problems + answer key on the last page.
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Grade 1

Problem 1.1 · 3 points — Lia strings beads in a repeating pattern: red, blue, blue, red, blue, blue, red, blue, blue, … How many blue beads are in her first 11 beads?



A) 8
B) 7
C) 5
D) 6
E) 4

Problem 1.2 · 3 points — Tom has 3 balloons. Two of them fly away. Then his mom gives him 4 more. How many balloons does Tom have now?



A) 5
B) 3
C) 4
D) 6
E) 7

Problem 1.3 · 4 points — Two numbers add up to 10. One number is 4 more than the other. What is the bigger number?



A) 8
B) 5
C) 4
D) 7
E) 6

Problem 1.4 · 3 points — Five children stand side by side in a straight row. Mia is exactly in the middle. How many children are to Mia’s left?



A) 1
B) 2
C) 4
D) 5
E) 3

Problem 1.5 · 4 points — A cat is heavier than a rabbit. The rabbit is heavier than a mouse. Who is the lightest?



A) the rabbit
B) you cannot tell
C) they weigh the same
D) the cat
E) the mouse

Problem 1.6 · 5 points — A frog starts on the ground below a 5-step staircase. Each jump takes it up 3 steps, but right after landing it slides down 1 step. The moment it touches step 5, it stops. How many jumps does it need?



A) 2
B) 1
C) 5
D) 4
E) 3

Problem 1.7 · 3 points — Milo moves 1 button from the left box to the right box. Now each box has 3 buttons. How many buttons were in the left box before the move?



A) 3
B) 2
C) 6
D) 4
E) 5

Problem 1.8 · 4 points — Lulu hangs 7 lanterns in a row. Each is lit or dark, the lit-and-dark order is the same from either end, and exactly 3 lanterns are lit. Counting from the left, which lantern must be lit?



A) 5th
B) 4th
C) 2nd
D) 1st
E) 3rd

Problem 1.9 · 4 points — Nina has cards labeled 1, 2, 3, 4, and 5. She uses two different cards to make a two-digit number; how many numbers greater than 30 can she make if the two digits add to 6?



A) 4
B) 3
C) 2
D) 1
E) 5

Problem 1.10 · 5 points — Maja has plenty of 1-cent, 2-cent, and 5-cent coins. In how many different ways can she pay exactly 15 cents using no more than 6 coins? The order of the coins does not matter.



A) 6
B) 2
C) 4
D) 5
E) 3

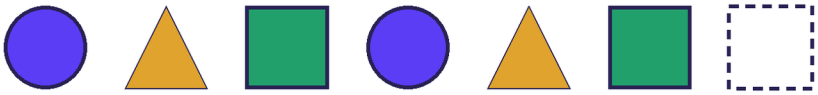
Problem 1.11 · 3 points — Look at these groups: ★ | ●● | ▲▲▲ | ★★★★ | ●●●●● | ?. Which group comes next?



A) ▲▲▲▲▲▲
B) ▲▲▲▲▲▲▲
C) ●●●●●●
D) ▲▲▲▲▲
E) ★★★★★★

Problem 1.12 · 3 points — Look at two shapes sitting side by side. Which pair appears once now, but will appear twice when the empty box is filled to keep the pattern going?

A row of shapes



A) triangle then circle
B) circle then square
C) circle then triangle
D) triangle then square
E) square then circle

Answer key

1.1: B
1.2: A
1.3: D
1.4: B
1.5: E
1.6: A
1.7: D
1.8: B
1.9: C
1.10: C
1.11: A
1.12: E