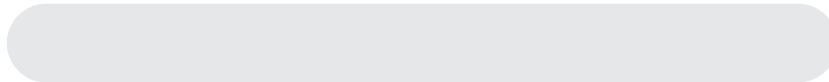


**MATHEMATICS**  
**Grade 4**







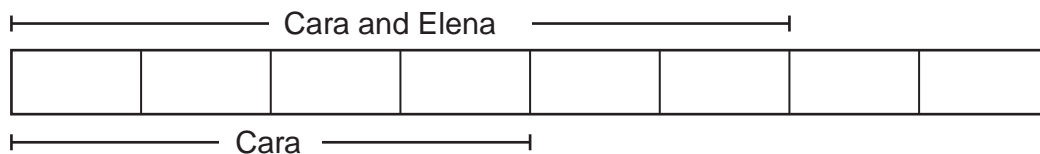


6.  $\frac{5}{10}$  is  $\frac{6}{12}$  less than 1.
- A.  $\frac{5}{10}$  is  $\frac{6}{12}$  more than 1.
- B.  $\frac{5}{10}$  is  $\frac{6}{12}$  less than 1.
- C.  $\frac{5}{10}$  is  $\frac{6}{12}$  more than 1.
- D.  $\frac{5}{10}$  is  $\frac{6}{12}$  less than 1.

- 
7.  $\frac{6}{18}$  is  $\frac{4}{9}$  less than 1.
- A.  $\frac{6}{18} > \frac{4}{9}$
- B.  $\frac{6}{18} < \frac{4}{9}$
- C.  $\frac{4}{9} < \frac{6}{18}$
- D.  $\frac{4}{9} > \frac{6}{18}$



8 Cara and Elena used fabric to make costumes for a talent show. Cara used  $\frac{4}{8}$  of the fabric for her costume. The girls used  $\frac{6}{8}$  of the fabric altogether.



What fraction of the fabric did Elena use?

- A  $\frac{10}{16}$
- B  $\frac{10}{8}$
- C  $\frac{2}{8}$
- D  $\frac{1}{2}$

9 Hailey and Wendy painted an entire wall together. Hailey painted  $\frac{3}{7}$  of the wall, and Wendy painted the rest. Which statement is true?

- A Hailey painted less than half the wall, and Wendy painted more than half the wall.
- B Hailey painted more than half the wall, and Wendy painted less than half the wall.
- C Each girl painted more than half the wall.
- D Each girl painted less than half the wall.



- 12 Madeline has 4 rolls of tape. Each roll contains 63 inches of tape. Madeline used 42 inches of tape for a project. WhintarmQuestions

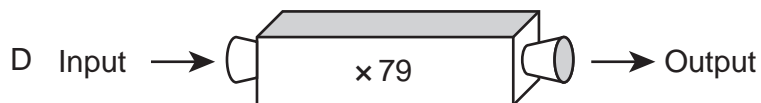
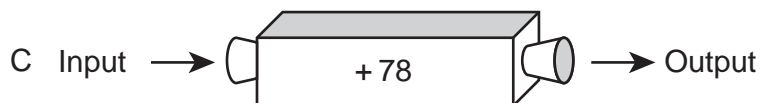
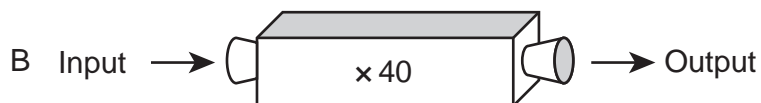
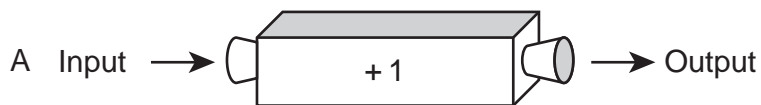


- 13 The table shows a relationship between the input numbers and the output numbers generated by a number machine.

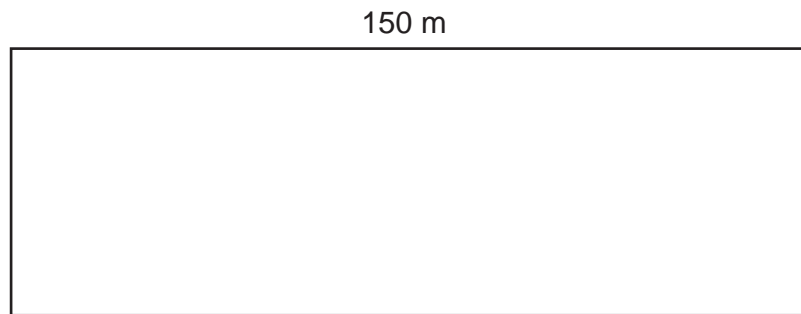
Number Machine

Input	Output
1	79
2	80
3	81
4	82

Which number machine shows the same relationship as the one shown in the table?



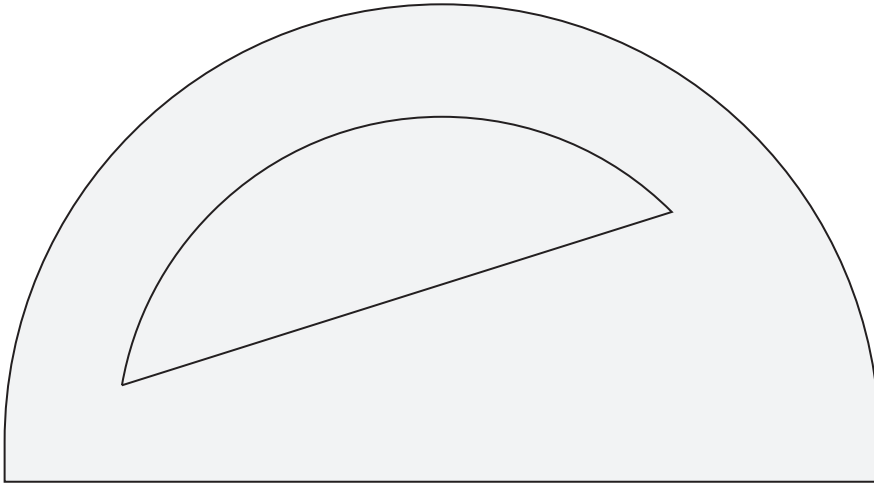
- 14 The model shows a rectangular field with a length of 150 m. The perimeter of the field is 400 m.



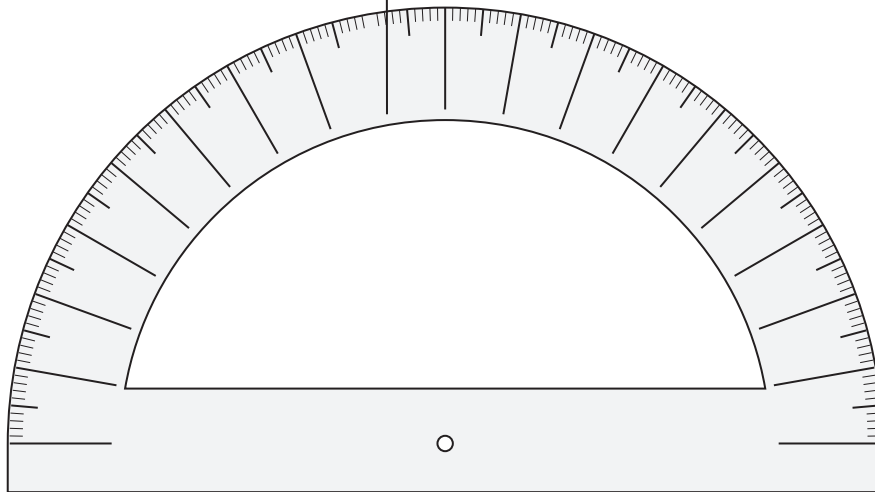
What is the width of the field in meters?

- A 250 m
  - B 100 m
  - C 125 m
  - D 50 m
- 
- 15 Which figure cannot have parallel line segments?
- A Square
  - B Pentagon
  - C Triangle
  - D Trapezoid

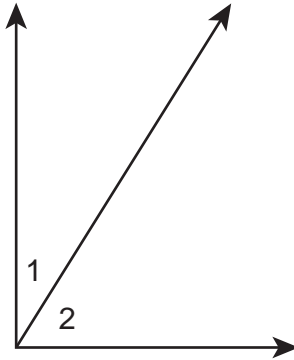
16 Angle N is shown on this protractor.



- 17 Frank is using a protractor to construct an angle that measures  $65^\circ$ . First he draws ray PQ, as shown on the protractor.



- 18 Angle 1 and angle 2 form a right angle.



The measure of angle 1 is  $32^\circ$ . What is the measure of angle 2?

- A  $32^\circ$
  - B  $90^\circ$
  - C  $58^\circ$
  - D  $62^\circ$
- 
- 19 Vivian had a \$5 bill, 3 quarters, 2 dimes, and 5 nickels. She paid for a poster that cost \$5.36. How much money does she have left?
- A \$1.16
  - B \$0.84
  - C \$6.20
  - D \$0.04

20 The table shows the number of pets that each student in Mrs. Morris's class owns.

Students's Pets

Number of Pets	Frequency
0	III
1	III
2	III II
3	II
4	I
5	II

Which dot plot represents the data in the table?

A

- 21 Karnika recorded the number of minutes she practiced volleyball each week for several weeks. She used a stem and leaf plot to organize the data.

### Volleyball Practice Time

Stem	Leaf
14	0 2 2
15	5 5
16	0

14 | 2 means 142 minutes.

Based on the data, what is the amount of time in minutes Karnika practiced volleyball?

- A 894 min
- B 597 min
- C 594 min
- D 1,224 min

22 Raina sold pens decorated with fancy tape.

€ Raina's expenses were \$11.57 for supplies.

€ Raina sold 12 pens for \$2 each.

What was Raina's profit?

A \$24.00

B \$35.57

C \$12.43

D \$2.43

---

23 Which of these services is not provided by a financial institution such as a bank or credit union?

A Informing customers of the amount of money in their accounts

B Informing customers of how the money in their accounts must be spent

C Providing cash when customers make withdrawals from their accounts

D Providing loans to customers that can be paid back over time with interest



Item Number	Correct Answer	Reporting Category	Readiness or Supporting	Content Student Expectation	Process Student Expectation
1	A	1		4.2( )	4.1 (A), ( )
2		1		4.2(A)	4.1 ( ), (A), ( ), ( )
3		1		4.2( )	4.1 ( ), (A), ( )
4	A	1		4.3( )	4.1 (A), ( )
5		1		4.3(A)	4.1 (A), ( ), ( )
		1		4.3( )	4.1 (A), ( )
		1		4.3( )	4.1 ( ), (A), ( )
		2		4.3( )	4.1 ( ), (A), ( ), ( )
		2		4.3( )	4.1 ( ), (A), ( )
10		2		4.4( )	4.1 ( ), (A), ( )
11		2		4.4( )	4.1 ( ), (A), ( )
12	A	2		4.5( )	4.1 ( ), (A), ( ), ( )
13		2		4.5(A)	4.1 (A), ( ), ( )
14		3		4.5( )	4.1 ( ), (A), ( ), ( ), ( )
15		3		4. ( )	4.1 (A), ( )
1		3		4. ( )	4.1 (A), ( ), ( )
1	A	3		4. ( )	4.1 ( ), (A), ( ), ( )
1		3		4. ( )	4.1 (A), ( ), ( )
1	A	3		4. ( )	4.1 ( ), (A), ( )
20		4		4. ( )	4.1 ( ), (A), ( ), ( )
21		4		4. (A)	4.1 ( ), (A), ( ), ( )
22		4		4.10(A)	4.1 ( ), (A), ( )
23	A	4		4.10( )	4.1 ( ), (A), ( )